

**ENRICHED TEACHING OF PHYSICAL EDUCATION
IN THE HIGH SCHOOL**

**A SOURCE BOOK
FOR TEACHERS OF PHYSICAL EDUCATION
LISTING CHIEFLY FREE AND LOW COST
ILLUSTRATIVE AND SUPPLEMENTARY MATERIALS**

WOODRING—SCHWENDENER



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ENRICHED TEACHING
OF PHYSICAL EDUCATION IN
THE HIGH SCHOOL

NUMBER 5

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Enriched Teaching of Physical Education in the High School

A SOURCE BOOK FOR TEACHERS OF PHYSICAL EDUCATION,
CAMP COUNCILLORS, AND RECREATION LEADERS, LISTING
CHIEFLY FREE AND LOW COST ILLUSTRATIVE AND SUPPLE-
MENTARY MATERIALS

By

MAXIE NAVE WOODRING

ASSOCIATE PROFESSOR OF EDUCATION
TEACHERS COLLEGE, COLUMBIA UNIVERSITY

AND

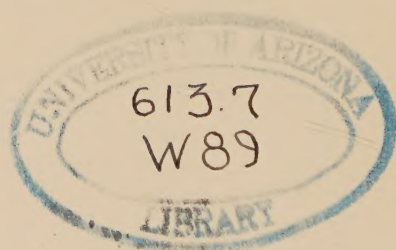
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BUREAU OF PUBLICATIONS
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NEW YORK CITY

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PREFACE

In all school subjects there is a growing need for new and supplementary materials which will enrich the activities provided, increase the range of the activities, and assure broader and richer concomitants of learning. This book has been compiled in the hope that it may serve this need in the teaching of physical education.

The contents of this book cover the field of physical education specifically, and also the allied activities—recreation and camping. Health and health education activities are touched upon only in such a way as to supplement the work of the teacher of physical education, who, in some situations, finds it necessary to carry on some work in this field. No attempt has been made to cover, even in the slightest degree, the field of health education.

All materials listed in this book have been examined or tested by the compilers, or have been recommended by experienced teachers. In all instances the prices have been carefully checked but, since they are subject to change, it is advisable to ascertain the cost before orders are finally placed. In many cases school discounts are allowed, as well as special discounts for teachers; these discounts are substantial and should be considered in ordering materials.

An effort has been made to list chiefly free and low-priced materials. Requests for free material should be accompanied by a statement to the effect that the material is for school use. Such a statement will insure prompt attention from firms which provide much free educational material.

The blank page at the end of each section provides space for listing additional materials, special bibliographies, or addresses of local firms handling materials of use to teachers of physical education. Notes concerning discounts obtainable and other general information can be included.

The compilers acknowledge their extreme indebtedness to Miss Janet Woodruff for the use of an unpublished list from which some addresses were taken to supplement those already indexed in this book; also, to the firms and publishers, and

travel and camp bureaus which have submitted materials for examination.

MAXIE NAVE WOODRING
NORMA SCHWENDENER

*Teachers College
Columbia University
April 30, 1929*

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I. APPAREL

The problem of apparel for physical education activities is constant for all teachers engaged in physical education work of any kind. The following addresses are those of firms who specialize in apparel for gymnasium, track, swimming, and sports wear. As the firms listed are not confined to one section of the country, it will frequently expedite service to order from a firm relatively near by.

Aldrich and Aldrich, 1857 Milwaukee Ave., Chicago, Ill. Catalog on request.

This firm manufactures women's athletic clothing exclusively. The catalog is indexed and illustrated and includes a color card of the materials used which increases the field of selection for the out-of-town buyer.

Branigan, Green and Co., 1270 Broadway, New York City; and Baltimore, Md. Catalog on request.

Outstanding among a large number of garments made by this firm are the Man-of-War middies. The catalog is profusely illustrated.

Junior Sport Shop, Inc., 424 Madison Ave., New York City.

Stella D. Kisch, president of the Junior Sport Shop, Inc., specializes in dancing sandals, gymnasium costumes, blouses, and camp outfits.

E. R. Moore Co., 932-938 Dakin St., Chicago, Ill. Catalog on request.

This catalog contains illustrative material and suggestions for costumes. The E. R. Moore Co. deals either directly with the school, or through local dealers, as desired.

The Ocean Bathing Suit Co., 110 West 23rd St., New York City. Catalog on request.

Makers of beach and pool suits, and beach costumes. This firm manufactures the suit designed by Nita Sheffield, author of *Swimming Simplified*. The Sheffield suits are made in all colors and styles and are a great contribution to swimming apparel.

Alex Taylor and Co., 22 East 42nd St., New York City.
Catalog on request.

Manufacturers of sport equipment and apparel. Every article bears the firm's guaranty, which means actual replacement of articles which are in any way unsatisfactory.

A. G. Spalding, Factory, Chicopee, Mass.; Main Office, 105 Nassau St., New York City. Stores in all large cities throughout the United States. Catalog on request.

Leading sporting goods store, carrying clothing for every type of sport.

Other Firms

Other firms, of equal excellence, manufacturing apparel are:

Chancellor and Vaughn, 430 Greene St., Chicago, Ill.

Max Goodman and Son, 15-17 West 27th St., New York City.

Lowe and Campbell, 1509-11-13 Baltimore Ave., Kansas City, Mo.; 206 South Wabash Ave., Chicago, Ill.; 705 Main St., Cincinnati, Ohio; 1122-1129 Pine St., St. Louis, Mo.; 1915-1917 Commerce St., Dallas, Texas; 415-417 South Fifth St., Minneapolis, Minn.

Horace Partridge Co., 49 Franklin St., Boston, Mass.; 205 St. Claire Ave., Cleveland, Ohio; 5 North Brevard St., Charlotte, N. C.; 577 Main St., Worcester, Mass.

Rawlings Mfg. Co., 2307 North Lucas Ave., St. Louis, Mo.; 8 West 37th St., New York City; 717 Market St., San Francisco, Cal.

Wilson-Western Sporting Goods Co., 222 Fourth Ave., New York City; 2037 Powell Ave., Chicago, Ill.; 155 Ninth St., San Francisco, Cal.

See also EQUIPMENT AND SUPPLIES, page 59.

APPAREL. (Add other materials in space below.)

II. ATHLETICS

The term "athletics" includes the highly organized team games, and track and field activities. These activities are considered here under the following headings: general, baseball, basketball, football, hockey, soccer, speed and volley ball, track and field. The term "sports" covers activities considered individual in type, yet playing a large part in the social life of this country.

The books listed first are those of a more or less general nature. In addition to books and professional material listed in the section devoted to swimming, there will be found names of firms of repute engaged in swimming pool construction or in manufacturing swimming pool equipment. Such equipment is listed here rather than in the chapter devoted to equipment because of its highly specialized nature.

A. GENERAL

Age, Height, Weight, and Pubescence Standards for the Athletic Handicapping of Girls. Mary Delaney. American Physical Education Review, 33; 240, October, 1928. Box G, Highland Station, Springfield, Mass.

Athletic Activities for Women and Girls. No. 115R, Spalding's Athletic Library. American Sports Publishing Co., 45 Rose St., New York City. 25c.

Official rules for Aquatics, Track and Field, Athletic Games (moderate sports), Baseball. Published as the Official Handbook of the National Section on Women's Athletics of the American Physical Education Association. This book has the rules and playing regulations for:

Base Crick	Ground Ball
Bat Ball—I	Hit Pin Baseball
Bat Ball—II	Hockey Golf
Bound Volley Ball	Kick Ball
Bowl Club Ball	Long Ball
Captain Ball	Nine-Court Basketball
Newcomb	Paddle Tennis
Captain Basketball	Progressive Dodge Ball
Club Guard	Ring Tennis
End Ball	Soccer Baseball
Goal Ball	Volley Baseball

An Athletic Program for Elementary Schools. Leonora Andersen. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$2.00. ✓

Games organized progressively for various age levels and leading to games of high organization. Two chapters devoted to accomplishment tests for seventh and eighth grades.

Exercise in Education and Medicine. R. T. McKenzie and Robert Taft. W. B. Saunders and Co., West Washington Sq., Philadelphia, Pa. 1923. \$5.00.

Part I: Behavior of muscles, heart, and lungs during exercise; exercise in respect to age, sex, and occupation. Review of German and Swedish systems. American institutions and physical education in Y. M. C. A.; camps, youth movements, schools, colleges.

Part II: Exercise in medicine. The place and use of exercise in the practice of medicine in general and specific aspects.

Individual and Mass Athletics. S. C. Staley. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

A collection of activities grouped for use in schools and colleges with suggested methods for their use.

Intramural Athletics. Elmer D. Mitchell. A. S. Barnes and Co., 67 West 44th St., New York City. 1925. \$2.00.

Four chapters on development, objectives, and organization of intramural sports. Programs, scoring, awards, and special administrative problems.

Muscular Movement in Man. The Factors Governing Speed and Recovery from Fatigue. A. V. Hill. McGraw-Hill Book Co., Inc., 370 Seventh Ave., New York City; 6 and 8 Boverie Street, E.C. 4, London, England. 1927. \$2.50.

A contribution by the George Fisher Baker non-resident lecture-ship in chemistry at Cornell University. This book is an outstanding piece of work, and is of particular value to students and teachers of physical education, although not written for this purpose. The contents include: Methods, Oxygen and Carbon Dioxide, The Steady State of Exercise, Work, Recovery, Carbon Dioxide, Speed and Energy Requirement. Also, The Viscosity of Human Muscles, The Dynamics of "Sprint Running," The "Mechanical Efficiency" of the Human Muscle, Some Applications to Athletics, Fatigue and Recovery in the Isolated Muscle, The Cost of Maintaining Contraction, The Theoretical Maximum Work, Reversible and Irrever-

sible Phenomena in Muscle, and The Viscosity of Muscle. In conclusion, the author offers an unusual bibliography which in itself is worth special attention.

The Philosophy of Athletics. Elmer Berry. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$2.00.

An illustrated book on coaching and character, including a discussion of the psychology of athletic coaching.

The Practice of Organized Play. W. P. Bowen and E. D. Mitchell. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

One of the most complete books on the subject of plays and games available. Beginning with the simple plays of imitation, story plays, and singing games, this volume includes excellent material on team games; i.e., baseball, basketball, football, tennis, and hockey.

B. BASEBALL

Baseball. W. J. Clarke and F. T. Dawson. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1915. \$1.75.

A book of fundamentals in baseball with individual play and team play in detail. Illustrated.

Baseball for Girls and Women. Gladys E. Palmer. A. S. Barnes and Co., 67 West 44th St., New York City. 1929. \$1.60.

Among the latest books on baseball this little book fills a long-felt need in offering a well-organized discussion of baseball for girls and women. Chapters II, III, and IV, dealing respectively with techniques, the team at bat, and the team in the field, are of particular importance.

Baseball Notes. Elmer Berry. A. S. Barnes and Co., 67 West 44th St., New York City. 1916. \$2.00.

Baseball clearly and concisely explained and analyzed for coaches and players.

Baseball Score Books. American Sports Publication Co., 45 Rose St., New York City.

Made by A. G. Spalding in two sizes:

Pocket size: No. 2. Board cover, Spalding style, 22 games. Each, 50c.

Pocket size: No. 3. Board cover, Morse style, 46 games. Each, \$1.25.

Club size: Morse style, 8"x10", 30 games. Each, \$2.25.

Club size: Score cards, 1 game. Dozen, 10c.

Basketball and Indoor Baseball for Women. Helen Frost and C. D. Wardlaw. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1923. \$1.75.

An illustrated book for teachers and players of basketball and indoor baseball. Contains excellent diagrams.

Fundamentals of Baseball. C. D. Wardlaw. Charles Scribner's Sons, 597 Fifth Ave., New York City. \$1.75.

Discussion of techniques and skills in baseball which are of value to teacher and player.

Handbook of Athletics for Coaches and Players. Graham Bickley. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.80.

Part I, devoted to baseball, is particularly useful for those concerned with baseball coaching in high schools. The book is listed in greater detail under TRACK AND FIELD.

Spalding Baseball Publications. American Sports Publishing Co., 45 Rose St., New York City.

No. 100X. "Baseball Guide." Revised yearly. 35c.

No. 12R. "Indoor Baseball and Playground Ball Rules." 25c.

No. 79R. "How to Pitch." 25c.

No. 80R. "How to Bat." 25c.

No. 81R. "How to Umpire." 25c.

No. 202R. "How to Play Baseball." Includes baseball for beginners. 25c.

No. 115R. "Athletic Activities for Women and Girls." Includes the official rules for girls' outdoor baseball with tests and games stressing the elements of baseball. 25c.

C. BASKETBALL

Basketball and Indoor Baseball for Women. Helen Frost and C. D. Wardlaw. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1923. \$1.75.

An illustrated book for teachers and players of basketball and indoor baseball. Contains excellent diagrams.

Basketball for Women. Lou E. Anderson. The Macmillan Co., 60 Fifth Ave., New York City. \$1.75.

Begins with a discussion of basketball as a natural activity, proceeds in a logical constructive way to deal with basketball in all its elements, and concludes with tests and lesson plans. This little book is invaluable.

Basketball for Women. How to Coach and Play the Game. Alice Frymir. A. S. Barnes and Co., 67 West 44th St., New York City, 1928. \$2.00.

A recent and thorough discussion of basketball, including sections on standards, playing tests, and competition.

Handbook of Athletics for Coaches and Players. Graham Bickley. A. S. Barnes, 67 West 44th St., New York City. \$1.80.

Part III is devoted to the problems of basketball, such as the uniform, practice, techniques, training, offense and defense.

My Basketball Bible. Forrest Allen. Smith Greeves Co., 716 Baltimore St., Kansas City, Mo., 1926. \$4.00.

A useful and well-organized book on basketball and the skills and techniques of playing.

Basketball Score Books. American Sports Publishing Co., 45 Rose St., New York City.

Made by A. G. Spalding.

No. A. Collegiate, paper cover, 10 games. Each, 25c.

No. B. Collegiate, board cover, 40 games. Each, 65c.

No. W. Women's, board cover, 27 games. Each, 65c.

The Science of Basketball for Men. Walter E. Meanwell. Published by the author, West Johnson St., Madison, Wisc. \$3.50.

Deals with the history and development of basketball, and training and techniques for coaches and players.

Spalding Basketball Publications. American Sports Publishing Co., 45 Rose St., New York City.

No. 700X. Basketball Guide. Revised yearly. 35c.

No. 17R. Women's Basketball Guide. Revised yearly. 25c.

D. FIELD HOCKEY AND LACROSSE

Field Hockey Analyzed. Hazel J. Cubberley. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A scientific contribution for instructor and player. Fully illustrated with cuts and diagrams designed to aid in the analysis of strokes. The section, "Methods for the Instructor," is worthy of special mention.

Field Hockey and Soccer for Women. H. Frost and H. J. Cubberley. Charles Scribner's and Sons, 597 Fifth Ave., New York City. 1923. \$2.00.

A detailed book on team plays, outlined by diagrams.

Field Hockey Guide. No. 38R. American Sports Publication Co., 45 Rose St., New York City. 25c.

An A. G. Spalding publication.

Field Hockey Score Book. American Sports Publication Co., 45 Rose St., New York City. 50c.

Made by A. G. Spalding. Board cover, 50 games.

Hockey for Girls and Women. K. E. Lidderdale. Harcourt, Brace and Co., 383 Madison Ave., New York City. 1924. \$1.25.

An "All England Hockey Team" player's advice and instruction.

Lacrosse for Beginners. Winifred O. Legg. Macaire, Mould and Co., Ltd., 17 Crouch Hill, Finsbury Park, N. 4; or 5 Victoria Ave., Bishopsgate, E.C. 2, London, England. 1924.

The list price does not remain constant and is, therefore, not quoted. A helpful book which includes the rules of lacrosse as well as chapters on stick work, practice, places on the field, and mistakes of beginners.

Lacrosse for Club and School Players. M. O. Newbold and K. Lockley. Order through "The Sportswoman," 5800 North Mervine St., Philadelphia, Pa. \$1.00.

Miss Lockley has been captain of the "All England Team," 1926-1928, and speaks with authority on the game and on umpiring and coaching.

Official Lacrosse Guide. No. 113R. American Sports Publication Co., 45 Rose St., New York City. 25c.

An A. G. Spalding publication.

E. FOOTBALL

The following books have been selected for their value to the football coach.

The Way of the Winner. K. K. Rockne. Devin Adair Co., 23 East 26th St., New York City. 1925. \$4.00.

- Football.** J. W. Wilce. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1923. \$2.00.
- Football Technique and Tactics.** R. C. Zuppke. Bailey and Himes, Champaign, Ill. Second edition, 1924. \$5.00.
- How to Be an Athlete.** C. E. Hammett and C. L. Lundgren. D. C. Heath and Co., 50 Beacon St., Boston, Mass. \$3.00.
- Inside Football.** F. W. Cavanaugh. Small, Maynard and Co., 41 Mt. Vernon St., Boston, Mass. 1919. \$5.00.
- The Lineman's Bible.** Ernest Graves. Published by the author, 138 East 37th St., New York City. \$2.50.
- Official Football Guide.** Spalding's Athletic Library. American Sports Publishing Co., 45 Rose St., New York City. 35c.
- Principles of Football.** J. Heisman, Sports Publishing Co., St. Louis, Mo. \$2.50.
- Winning Football.** W. Roper. Dodd, Mead and Co., Inc., 443 Fourth Ave., New York City. \$2.00.

F. SOCCER, SPEEDBALL, AND VOLLEY BALL

- Field Hockey and Soccer for Women.** H. Frost and H. J. Cubberley. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1923. \$2.00.

A detailed book on team plays, outlined by diagrams and well illustrated.

- How to Play Soccer.** No. 39R. Douglas Stewart. American Sports Publishing Co., 45 Rose St., New York City. 25c.

A Spalding publication including Official Playing Rules.

- Science of Soccer.** E. Currie. American Physical Education Association, Box G, Highland Station, Springfield, Mass. \$1.00.

A handbook for coaches and teachers.

- Spalding Athletic Library.** American Sports Publication Co., 45 Rose St., New York City.

Books on Soccer:

- No. 39R. "How to Play Soccer," by Douglas Stewart. 25c.
No. 116R. "Women's Soccer Guide," by Douglas Stewart. 25c.
No. 108R. "Intercollegiate Soccer Guide," by Douglas Stewart. 25c.

Suggestions on Speedball. 25c.

A New Intramural Game. 40c.

Both books published by Elmer Mitchell, Ann Arbor, Mich.
When ordered together, 50c.

Discussion and manual of speedball.

Athletic Activities for Women and Girls. No. 115R. American Sports Publishing Co., 45 Rose St., New York City. 25c.

Volley ball rules for girls and women, with suggestions for playing the game, and tests for achievement.

Volley Ball for Women. Katherine Montgomery. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.60.

A brief history of volley ball, volley ball as a women's game, special skills, team plays, etc. An excellent collection of material.

G. TRACK AND FIELD

Handbook of Athletics for Coaches and Players. Graham Bickley. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.80.

The latest book on handling athletics for high schools. The arrangement of the material under four large headings makes it particularly useful. Part I. Baseball; Part II. Track; Part III. Basketball; Part IV. Football.

How to Be an Athlete. C. E. Hammett, and C. L. Lundgren. D. C. Heath and Co., 50 Beacon St., Boston, Mass. 1923. \$4.00.

A comprehensive treatment of field and track athletics, football, baseball, basketball, and tennis. Profusely illustrated.

Recreative Athletics. Prepared by the Playground and Recreation Association of America. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.00.

A revised and enlarged pocket-size edition of suggestive programs of athletics, games and sports for recreative purposes. Chapter I, "Essential Factors in the Athletic Program"; Chapter II, "Methods of Conducting Athletics"; Chapter III, "Special Activities, Stunts and Meets"; Chapter IV, "Play Days"; Chapter V, "Track and Field Athletics"; Chapter VI, "Water Sports"; Chapter VII, "Winter Sports"; Chapter VIII, "Organization and Administration of Athletic Program."

Spalding's "Red Cover" Series of Athletic Handbooks. No. 115R. Official Handbook of the National Section on Women's Athletics of the American Physical Education Association. American Sports Publishing Co., 45 Rose St., New York City. 25c.

Included in this book are the official rules for track and field, with suggested programs for various groups and coaching hints.

Track Athletics. T. E. Jones. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1925. \$3.50.

Principles and details of training and practice for each event, with clear illustrations, make this book one of the best on the subject for teachers.

H. SPORTS

Archery

Archery. Robert R. Elmer. Penn Publishing Co., 925 Filbert St., Philadelphia, Pa. 1926. \$5.00.

One of the most complete books on archery, containing detailed information and directions for archers and teachers of archery.

Archery Manual. Lillian L. Kuester. Order from L. L. Kuester, Box A-225, South Hadley, Mass. 50c.

A practical guide of pocket size, for instructors and novices on tackle, equipment, form, teaching devices, tournament rules, etc.

A Handbook on Archery. California By-Products Co., P. O. Box 509, San Francisco, Calif. 25c.

Handbook on archery equipment and its care; form and positions in archery.

Modern Archery. Arthur W. Lambert, Jr. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

A textbook and manual on the art of shooting with bow and arrow. It includes an excellent history of the sport as well as most detailed information concerning the care and handling of tackle, and technique of accurate shooting.

Physical Education Activities for High School Girls. Staff of Physical Education Department for Women, University of Michigan. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$3.50.

Chapters XII, XIII, and XIV are devoted to a discussion of the social sports—archery, tennis, and golf.

Catalog of California Athletic Goods, made by California By-Products Company, P. O. Box 509, San Francisco, Calif. 95 Chambers St., New York City. Free.

Catalog of tennis and archery equipment; includes beginning lesson in archery and description of Bonarro—archery golf game.

ARCHERY EQUIPMENT

The following firms carry archery equipment:

Lowe & Campbell, 1509-1513 Baltimore Ave., Kansas City, Mo.; 206 South Wabash Ave., Chicago, Ill.; 705 Main St., Cincinnati, Ohio; 1122-1129 Pine St., St. Louis, Mo.; 1915-1917 Commerce St., Dallas, Texas; 415-417 South Fifth St., Minneapolis, Minn.

Horace Partridge Co., 49 Franklin St., Boston, Mass.; 205 St. Claire Ave., Cleveland, Ohio; 5 North Brevard St., Charlotte, N. C.; 577 Main St., Worcester, Mass.

Alex Taylor and Co., 22 East 42nd St., New York City.

Edward K. Tryon Co., 817-819 Arch St., Philadelphia, Pa.

Golf

The American Golfer. Grantland Rice, editor. The Conde Nast Publications, Inc., Boston Post Road, Greenwich, Conn. Subscription, one year, \$3.00; two years, \$5.00.

This monthly publication offers most practical help in playing golf. Alex J. Morrison's step-by-step lessons are an outstanding feature. Contains many illustrations and diagrams.

Duffer's Handbook of Golf. Grantland Rice and C. A. Briggs. The Macmillan Co., 60 Fifth Ave., New York City. \$3.50.

A practical handbook for the golf enthusiast and tournament player.

Gene Sarazen's Common Sense Golf Tips. Gene Sarazen. Thomas E. Wilson and Co., 2037 Powell Ave., Chicago, Ill. \$1.00.

Analysis and discussion of golf and of golf strokes by an authority in the sport.

Golf. 425 Fifth Ave., New York City. \$5.00 a year.

A publication of interest to both the professional and the amateur. Contains material and illustrations of worth.

Golf Score Cards. American Sports Publication Co., 45 Rose St., New York City. Each 15c.

Spalding Golf Score Sheets; used in leading tournaments. Size 22"x28"; match play or medal play (specify which is wanted).

The Rules of Golf Up to Date. Thomas E. Wilson and Co., 2037 Powell Ave., Chicago, Ill. 1925.

A handbook of rules and golf tips.

Thomas E. Wilson Books on Golf. Published by Thomas E. Wilson and Co., 2037 Powell Ave., Chicago, Ill. Each 25c.

"How to Drive"; "How to Approach"; "How to Putt." Books of particular value to the beginner. All strokes are carefully illustrated.

Tennis

American Lawn Tennis. S. Wallis Meriweather. Printing and Crafts Building, 461 Eighth Ave., New York City. 30c a copy. \$4.00 a year.

The official publication of the American Lawn Tennis Association, published monthly throughout the year.

Browne's Velvet Surface. A. D. Browne, George Peabody College for Teachers, Nashville, Tenn. Published by author. \$5.00.

Instruction book containing complete specifications of materials and equipment, drawings, and detailed instructions, together with samples of materials.

A hard surface for tennis courts, outdoor courts for basketball and volley ball, play grounds, school yards, etc. Descriptive leaflet on request. Cost per court, \$196.00.

Spalding Tennis Score Card. American Sports Publishing Co., 45 Rose St., New York City. 75c a dozen.

This card is endorsed by leading umpires and used in national championships; new and improved design. Made up for five sets, in two colors.

Spalding Tennis Publications. American Sports Publishing Co., 45 Rose St., New York City.

No. 57X. "Spalding Tennis Annual." The leading yearbook of the game. Official playing rules, scores of national championships,

Davis Cup, and other events. 35c. No. 511B. "How to Build a Tennis Court." 50c. No. 510B. "Tennis for the Junior Player, the Club Player, and the Expert." William T. Tilden 2nd. 50c. No. 84R. "Tennis Errors and Remedies." 25c.

Tennis for Women. Lou E. Anderson. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.60.

This book has special reference to the training of teachers, with a brief analysis of the fundamentals, history, and development of tennis.

Tennis. J. P. Paret. American Lawn Tennis, Inc., 461 Eighth Ave., New York City. \$15.00.

This set of four volumes comprises a fundamental and complete discussion of tennis:

Vol. I. Lessons for Beginners. \$3.00.

Vol. II. Mechanics of the Game. \$4.00.

Vol. III. Psychology and Advanced Play. \$4.00.

Vol. IV. Methods and Players. \$4.00.

Top-Flite Tennis. Mary K. Browne. American Sports Publishing Co., 45 Rose St., New York City. \$1.25.

A profusely illustrated discussion of tennis.

Swimming

BOOKS, PAMPHLETS, AND ARTICLES

Advanced Swimming. W. Sterry Brown. American Review Service Press, Bloomington, Ill. 1925. \$1.00.

This book discusses swimming movements, buoyancy, breathing, relaxation, control of rhythm, swimming kicks, completed strokes, and common swimming strokes.

American Red Cross Life Saving Methods. Bulletin No. 1005. American Red Cross, Washington, D. C. Free.

A manual of swimming carries, holds, and breaks.

Aquatic Tests. W. Sterry Brown. American Physical Education Review, 33: 240, October 1928. Box G, Highland Station, Springfield, Mass.

Boys' and Girls' Badge Test. Swimming Section, Playground Athletic League, Baltimore, Md. American Physical Education Review, 33: 237, May 1928. Box G, Highland Station, Springfield, Mass.

The Crawl. Ocean Bathing Suit Co., 110 West 23rd St., New York City. Free on request.

The Diving and Swimming Book. George H. Corsan, Sr. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

Technique of teaching, analysis of stroke, and large number of illustrations and diagrams.

Monthly Bulletin of Swimming. L. de B. Handley, Editor. Ocean Bathing Suit Co., 110 West 23rd St., New York City. Free.

Monthly discussion of swimming techniques and strokes.

Outline of Swimming. W. Bachrach and C. A. Bush. Midland, Chicago Service, 35 South Dearborn St., Chicago, Ill. \$3.00.

A book for teachers and coaches.

Physical Education Activities for High School Girls. Staff of Dept. for Women, University of Michigan. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$3.50.

Chapter X has an excellent discussion of swimming in the high school program. Special attention to safety measures and to methods of teaching. Bibliography.

Recreative Athletics. Prepared by the Playground and Recreation Association of America. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.00.

This book is listed in detail under "Track and Field." Chapter VI contains excellent material on water sports.

Science of Swimming. No. 106R. James E. Sullivan. American Sports Publishing Co., 45 Rose St., New York City. 25c.

A Spalding's Athletic Library Book.

Scout Swimming and Water Safety Program. Boy Scouts of America, 2 Park Ave., New York City. 1924. \$2.00.

Manual of swimming and life saving. Suggestions for water activities and safety precautions.

Swimming. Edwin Tenney Brewster. Houghton Mifflin and Co., 2 Park St., Boston, Mass. 1910. \$1.50.

Methods of teaching and analysis of strokes; also teaching of children.

Swimming for Women. No. 107R. American Sports Publishing Co., 45 Rose St., New York City. 25c.

A Spalding book on swimming for women swimmers.

Swimming Pageants. Mary A. Brownell. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.50 for set. 75c a volume.

For indoor and outdoor production. In four sections: "The Naiad," "An Indian Pageant," "A Night in Arabia," and "The Frog Prince."

Swimming Simplified. Lyba Sheffield and Nita Sheffield. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A fine analysis of strokes and diving for teaching purposes; mass formation, novel stunts, life saving and emergency methods developed in detail. Excellent guide book.

Women's Handbook. No. 115R. American Sports Publishing Co., 45 Rose St., New York City. 25c.

A Spalding book which includes official swimming rules, water games, mass teaching and competition in swimming, American Red Cross Life Saving methods, canoeing and paddle drills. This book also has Official Rules for Track and Field and Baseball.

EQUIPMENT

American Water Softener Company, Lehigh Ave. and Fourth St., Philadelphia, Pa.

Filters; Alkalinity and Chlorine Test Set.

California Filter Company, Merchants' Exchange Bldg., San Francisco, Calif.; Sun Finance Bldg., Los Angeles, Calif.; 1005 Securities Bldg., Seattle, Wash.

Chicago Hardware Foundry Company, Sani-Dri Division, 209 West Randolph St., Chicago, Ill. \$106.00 per machine.

The Sani-Dri dryer, a small box which is fastened to the wall, dries the hair in three minutes. Sani-Dri dryers are also made for hand-drying purposes.

Fred Medart Mfg. Co., Potomac and De Kalb St., St. Louis, Mo.; 511 West 42nd St., New York City; Philadelphia, Detroit, Pittsburgh, Chicago, Cleveland, Kansas City, San Francisco.

Spring boards, ladders, etc.

Narragansett Machine Co., Providence, R. I.; 1504 Monadnock Block, Chicago, Ill.; 138 East 44th St., New York City.

Rohmer Swimming Pool Equipment Co., 516 Fifth Ave., New York City.

W. G. Shelton Co., 130 West 42nd St., New York City.

Electric hair dryers. Information and catalog on request. Special prices given to schools and Y. W. C. A.

MOTION PICTURES

A B C of Swimming. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City, or 1111 Center St., Chicago, Ill. Free.

One reel on elementary lessons in swimming instruction.

Diving and First Aid. Edited Pictures System, Inc., 130 West 46th St., New York City. Rent.

One reel on elementary and advanced standard and fancy diving, with a careful analysis, followed by scenes of rescue of drowning person and resuscitation.

Winter Sports

Skating and Winter Sports. Spalding's Athletic Library. American Sports Publishing Co., 45 Rose St., New York City.

No. 8R. "The Art of Skating."

No. 72R. "Figure Skating for Women."

No. 90R. "Ice Hockey Rules" (including "Rules for Speed Skating and Curling").

Special Publications

The Nation's Sports. American Sports Publishing Co., 45 Rose St., New York City. Free.

Published monthly and sent on request. Contains detailed information concerning current issues of the Spalding Athletic Library Series.

The Sportswoman. The Sportswoman Guild, Inc., 5800 North Mervine St., Philadelphia, Pa. 35c a copy, \$3.00 a year.

Published monthly, except July and August. This magazine was established in response to a need for a medium through which to

spread the latest developments in the various fields of sport and the latest achievements of women in games. It is the only magazine published in the interest of women's clubs, and college and school sports. It has excellent articles on:

Hockey
Lacrosse
Fencing
Track
Riding

Tennis
Skating
Basketball
Soccer
Squash

Archery
Polo
Golf
Swimming
Winter Sports

See also EQUIPMENT AND SUPPLIES, page 59.

ATHLETICS. (Add other materials in space below.)

III. BULLETINS, PAMPHLETS, OUTLINES, AND HANDBOOKS

Under this heading is listed desirable and pertinent material in bulletin and pamphlet form which is free or very low in cost. Materials published by the United States Bureau of Education, and books containing outlines for teaching, graded lessons, and handbooks for use in schools offering a formal program of activity in physical education, are included in this section.

A. GENERAL REFERENCES

Educational Material. Issued by American Posture League, 1 Madison Ave., New York City.

Booklet on request. Charts, slides, etc., at nominal prices.

Government Publications Useful to Teachers. Bulletin 1924, No. 23, U. S. Bureau of Education, Washington, D. C. Order from Superintendent of Documents. 10c.

A Graphic View of Recent Trends in Our Schools. Frank M. Phillips. Houghton Mifflin Co., 2 Park St., Boston, Mass. Free.

The data used in this study were collected from published reports of the Federal Bureau of Education, National Industrial Conference Board, Census Bureau, and other sources.

Guide to United States Government Publications. Bulletin 1918, No. 2, U. S. Bureau of Education, Washington, D. C. Order from Superintendent of Documents. 20c.

Heredity and Culture as Factors in Body Build. C. B. Davenport and L. A. Nelson. U. S. Public Health Service, Reprint No. 1053, Nov. 27, 1925. Government Printing Office, Washington, D. C. 5c.

List of Free Films. Acme Motion Picture Projector Co., 1132 West Austin Ave., Chicago, Ill. 25c.

List of Free Films. Erker Brothers, Optical Co., 608 Olive St., St. Louis, Mo. Free.

List of Publications. American Red Cross, Washington, D. C. Free.

A check list of publications which are issued free or at low cost by the American Red Cross.

List of Publications. Playground and Recreation Association of America, 315 Fourth Ave., New York City. Free.

Includes books, pamphlets, charts, etc.

Monthly Catalog of United States Public Documents. Superintendent of Documents, Washington, D. C. 50c a year.

Monthly List of State Publications. Superintendent of Documents, Washington, D. C. \$1.00 a year.

Publications. American Association for Medical Progress, 370 Seventh Ave., New York City. Free.

Many of the publications listed are free and are valuable in teaching health and combating superstitions concerning health.

Publications of Special Interest to High School Teachers. Leaflet, April 1927. U. S. Bureau of Education, Washington, D. C. Free.

Record of Current Educational Publications. U. S. Bureau of Education, Washington, D. C. Quarterly. Price varies; usually 10c.

Report of the Physical Education Committee on High School Curriculums. American Physical Education Association, 820 State St., Box G, Highland Station, Springfield, Mass. 60c each. In lots of ten or more, 50c each.

The official report adopted by the American Physical Education Association and by the National Education Association, prepared by a joint committee of these organizations.

Services Offered. Bulletin No. 40. National Child Welfare Association, 70 Fifth Ave., New York City. Free.

A leaflet describing the publications, posters, lectures, etc., of this organization.

State Bulletins and Pamphlets

Following is a list of state departments issuing printed material of value to teachers of physical education. Such material is sent upon request only.

State Department of Health and Sanitation.
State Department of Vital Statistics.
State Library Association.
State University Libraries.
State Museums.
State Universities.
State Board of Education.

B. HANDBOOKS AND OUTLINES FOR THE TEACHER

American Red Cross Life Saving Methods. American Red Cross Bulletin, No. 1005 revised, August 1925. American Red Cross, Washington, D. C. Free.

Manual of swimming carries, holds, and breaks for American Red Cross Life Saving examination.

Gymnastic Teaching. William Skarstrom. Published by the author and sold by the American Physical Education Association, Box G, Highland Station, Springfield, Mass. \$3.50.

An excellent book on formal Swedish method. Includes a large amount of material on free exercises and apparatus work, and progressive lesson plans.

Monthly Bulletin of Swimming. L. de B. Handley, Editor. Ocean Bathing Suit Co., 110 West 23rd St., New York City. Free.

Physical Education Teaching Manual. F. W. Maroney. M. Lyons and Carnahan, Publishers, 221 East Cullerton St., Chicago, Ill. \$2.00.

A manual of formal work for public schools written for use in elementary, grammar, junior high, and high schools. The book includes a series of motor ability tests and an appendix devoted to record keeping necessary in public school work.

Physical Training Lessons. W. A. Stecher. J. J. McVey, 1229 Arch St., Philadelphia, Pa. \$2.50.

A collection of graded lessons developed according to the German system.

Physical Training Lessons and Games in Handbook Form. W. A. Stecher. J. J. McVey, 1229 Arch St., Philadelphia, Pa.

A carefully graded program of work based upon the German system.

Book I. First and Second Grades, fifth revised edition. 60c.

Book II. Third and Fourth Grades, fourth revised edition. 60c.

Book III. Fifth, Sixth, Seventh, and Eighth Grades, fourth revised edition. 60c.

Teachers' Manual of Physical Education. Henry Panzer. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A handbook of general gymnastics for boys.

C. HEALTH AND EUGENICS

A Book with a Mission. Johnson and Johnson, New Brunswick, N. J. Free to teachers.

Gives concise information about communicable diseases and how to control them. Also a series of Contagious Disease Bulletins:

No. 28. "Diphtheria and Scarlet Fever."

No. 29. "Typhoid Fever and Allied Diseases."

No. 38. "Infantile Paralysis and Cerebro-spinal Fever (Menigitis)."

No. 40. "Whooping Cough and Measles."

No. 56. "Consumption."

No. 57. "Smallpox."

No. 78. "Influenza, Pneumonia, and Common Colds."

Other Bulletins on First Aid.

Educational Bulletin. Procter and Gamble, Educational Dept., Cincinnati, Ohio. Free.

A check list of bulletins which are issued to teachers and which are for the most part sent without cost.

A Eugenics Catechism. American Eugenics Society, 185 Church St., New Haven, Conn. Free.

A worthy attempt to offset current misconceptions of the idea of eugenics. Also a free pamphlet issued on the work of the American Eugenics Society.

Foot Health. George E. Keith Co., Campello, Brockton, Mass. Free.

Correct principles in footwear.

Health Habits by Practice. W. E. Buckard, R. L. Chambers, and F. W. Maroney. Lyons and Carnahan, 221 East Cullerton St., Chicago, Ill. Part I, 96c. Part II, \$1.00.

Health Habits, Physiology, and Hygiene. W. E. Buckard, R. L. Chambers, and F. W. Maroney. Lyons and Carnahan, 221 East Cullerton St., Chicago, Ill. \$1.25.

Heredity and Culture as Factors in Body Build. C. B. Davenport and L. A. Nelson. U. S. Public Health Service, Reprint No. 1053, Nov. 27, 1925. Government Printing Office, Washington, D. C.

How to Live Long. Metropolitan Life Insurance Co., 1 Madison Ave., New York City. Free.

An elaboration of "Fourteen Health Rules." Also, "An Ounce of Prevention." Many other pamphlets may be obtained free of charge.

Keep Well Leaflets. Life Extension Institute, 25 West 43rd St., New York City. 25c for six; \$1.25 for complete set of 37.

This set of instructive leaflets includes such titles as: "Care of the Eyes," "Prevention of Colds," "Focal Infection," "Protecting the Lungs," "Headaches," and "Table of Energy Value of Food." They emphasize physical upbuilding and the prevention of disease, and give specific instructions and suggestions. Send for a complete list of titles.

Manufactured Weather. Carrier Engineering Corporation, 750 Freylinghuysen Ave., Newark, N. J. Free.

A booklet on artificial ventilation, written in understandable style.

Medical Subjects of Interest to the Public. Price List. American Medical Association, 535 North Dearborn St., Chicago, Ill. Free.

Lists books, pamphlets, plays, posters, and lantern slides on health topics.

Nutrition and Health. Borden Co., 350 Madison Ave., New York City. Free to teachers.

Malnutrition: its causes, symptoms, and prevention. Many posters, cartoons, and tables are reproduced therein.

One of the First Questions Every Doctor Asks. Home Economics Dept., The Kellogg Co., Battle Creek, Mich. Free, in sufficient number for each pupil.

Contains a good diagram of the human digestive organs. Discusses constipation, its causes and prevention. Other literature, including "Vacation Values," "Camp Menus," "Making the Team," and "Food Selection Chart."

A Program for Teaching Health Habits. Cream of Wheat Co., Minneapolis, Minn. Free.

This booklet gives lesson plans for topics on proper diet, rest, and sleep, hygiene of the teeth, cleanliness; also a bibliography.

Race Betterment. Mary G. Peck. American Eugenics Society, 185 Church St., New Haven, Conn. Free.

An excellent outline of the history and meaning of eugenics.

Temperature: Its Relation to Health and Comfort. Taylor Instrument Co., Rochester, N. Y. Free.

Temperature and humidity as important health factors are discussed as well as the instruments for their measurement.

Uncle Sam's Guides to Health. Miscellaneous Publications, No. 20. U. S. Public Health Service, Washington, D. C. Free.

A list of the popular health leaflets issued by this service.

What to Read on Social Hygiene. No. 242 and No. 263. The American Social Hygiene Association, 370 Seventh Ave., New York City. Free.

A list of available pamphlets on this important topic.

What You Should Know About Tuberculosis. National Tuberculosis Association, 370 Seventh Ave., New York City. Free to teachers.

Cause, prevention, and cure discussed in simple language. Illustrated.

See HEALTH AND HYGIENE, page 79; also PERIODICALS, page 116.

**BULLETINS, PAMPHLETS, OUTLINES, AND HAND-
BOOKS.** (Add other materials in space below.)

IV. CAMPING

Camping, in its present development, has become almost a profession. Certainly the camp directors and camp councillors are experts in the field of camping. The high degree of organization in this work calls for a mass of material pertinent to camp problems. Much of the available material is somewhat out of date, but an effort has been made to list here only such materials and information as are of real present-day, practical value to those interested in the many phases of summer camp work.

A. BOOKS FOR THE CAMP LIBRARY

American Natural History. W. T. Hornaday. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1914. \$5.00.

Includes birds, fish, and reptiles. Illustrated by original drawings, colored plates, charts, and maps.

The Friendly Stars. M. E. Martin. Harper and Bros., 49 East 33rd St., New York City. 1907. \$2.00.

An illustrated manual for amateur study of stars.

How to Know Ferns. Dana Parsons. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1899. \$2.50.

How to Know Wild Fruits. Maude Peterson. The Macmillan Co., 60 Fifth Ave., New York City. 1905. \$2.00.

A book of value to the hiking councillor.

Our Native Trees. H. L. Keeler. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1900. \$3.00.

How to identify trees with illustrations.

Outdoor Good Manners. Bulletin No. 20. American Nature Association, 1214 Sixteenth St., N. W., Washington, D. C. Free.

Reprint from "Nature Magazine," May 1926. Suitable for use on bulletin boards. Contains an excellent cartoon.

The Nature Library. With color plates and photographs. Doubleday, Doran and Co., Inc., Garden City, N. Y.

"Bird Neighbors," by Neltje Blanchan, with Introduction by John Burroughs	\$4.00
"Birds That Hunt and Are Hunted," by Neltje Blanchan ..	\$4.00
"The Book of Grasses," by Mary Evans Francis.....	\$5.00
"Butterfly Book," by W. J. Holland.....	\$5.00
"The Insect Book," by Leland O. Howard.....	\$5.00
"The Mushroom Book," by Nina L. Marshall.....	\$5.00
"Nature's Garden," by Neltje Blanchan.....	\$5.00
"The Spider Book," by John Henry Comstock.....	\$5.00

Nature Study Series. Louise Brown. Women's Press, 600 Lexington Ave., New York City. 1920. \$1.60 for 5 volumes.

"All Night with the Stars."	30c.
"Sky: Spring and Summer Nights."	50c.
"Sky: Winter Nights."	50c.
"Trip to the Moon."	30c.
"Nature in Camp."	15c.

The New Nature Library. Illustrated by lithographs. Doubleday, Doran and Co., Inc., Garden City, N. Y. Each, \$3.50.

"Animals," by Ernest Thompson Seton.
"Birds," by Neltje Blanchan.
"Butterflies," by C. M. Weed.
"Garden Flowers," by R. M. McCurdy.
"Trees," by Julia E. Rogers.
"Wild Flowers," by Neltje Blanchan.

The Pocket Nature Library. Doubleday, Doran and Co., Inc., Garden City, N. Y. \$6.00, complete in 4 volumes.

"Butterfly Guide," by W. J. Holland.
"Bird Guide, Land Birds," by Chester A. Reed.
"Bird Guide, Water Birds," by Chester A. Reed.
"Flower Guide" (wild flowers east of the Rockies), by Chester A. Reed.
"Tree Guide," by Julia E. Rogers.

Illustrated in colors and containing accurate descriptions, these books should be in every camp library. These same books are listed under "Pocket Nature Guides" and are priced individually, in cloth binding, \$1.25; in imitation leather, \$1.50.

Star Lore of All Ages. W. T. Olcott. G. P. Putnam's Sons, 2 West 45th St., New York City. 1914. \$4.50.

Illustrated book on history of stars, and studies and beliefs concerning stars.

Wild Birds and Their Music. T. C. Mathews. Doubleday, Doran and Co., Inc., Garden City, N. Y. 1921. \$3.50.

Field book with numerous reproductions of water color and monotone studies of birds and complete music notations of bird songs.

B. CAMP ACTIVITIES

Birch Bark Roll of Woodcraft. Ernest Thompson Seton. Brieger Press, Inc., 55 Van Dam St., New York City. 1925. \$1.50.

For boys and girls, four to ninety-four. This manual is full of excellent suggestions for out-of-door programs.

Boys' Book of Camp Fires. F. H. Cheley. W. A. Wilde Co., 131 Clarendon St., Boston, Mass. 1925. \$2.50.

A collection of camp-fire plays in desirable notebook form, contributed by twenty-four camp directors. Excellent bibliography for each section of the pamphlet. Includes outlines of camp-fire programs and discussion of ways and means for their use. Chapters on stunts, games, camp-fire songs and stories, camp cooking, fire building, and handicraft.

Camper and Hikes. Camper and Hikes Publication Corporation, 242 West 41st St., New York City. 25c a copy.

An illustrated publication for those interested in out-of-door activities; of particular interest to those acting as camp hike councillors.

Camp Songs. Issued by the National Bureau for the Advancement of Music, 45 West 45th St., New York City. \$1.50 for 100, plus postage.

A collection of songs for use in camps, vacation houses, clubs, etc. Contains sources of songs given.

Educational Function of Ceremonies. R. O. Hanson, Fourth Biennial Report, Boy Scouts of America, 2 Park Ave., New York City. 10c.

Interesting and worthwhile report and presentation of facts every camp councillor should know. Limited number available.

Games and Recreational Methods for Clubs, Camps, and Scouts. Charles F. Smith. Dodd, Mead and Co., Inc., 443 Fourth Ave., New York City. 1924. \$2.00.

Excellent discussion of leadership, the play way of teaching, social camp, scouting games, and camp activities.

Games for School, Church, and Home. George O. Draper. Association Press, 347 Madison Ave., New York City. 1921. \$1.00.

A brief collection of games. Part III on outdoor games is of particular interest to the camp councillor.

Games. For additional information on games, see books listed under RECREATION, GAMES, AND STUNT ACTIVITIES.

Indian Ceremonials and Sports. Alice Fletcher. C. C. Burdard Co., 221 Columbus Ave., Boston, Mass. 1915. \$2.00.

Contains Indian rituals, games, and dances with native songs.

Indian Story and Song, from North America. Alice Fletcher. Small, Maynard and Co., 41 Mount Vernon St., Boston, Mass. 1900. \$1.50.

The work of Alice Fletcher is as authentic and complete as any available material on the American Indian. History, tradition, customs, beliefs, stories, songs, and dances are all faithfully and skillfully presented in her books.

Nature Magazine. Published by American Nature Association, 1214 Sixteenth St., N.W., Washington, D. C. Single copy, 35c; \$3.00 a year.

An excellent illustrated monthly for teachers and children, campers, and nature lovers.

Pageants and Pageantry. Esther Bates and William Orr. Ginn and Co., 15 Ashburton Place, Boston, Mass. \$1.25.

Discussion of pageants and their presentation. A valuable aid for pageantry in camps.

Printed Matter on Group Singing. National Bureau for the Advancement of Music, 45 West 45th St., New York City. Free.

Suggestions for developing singing and other musical activities in camps, sent upon request.

Producing Amateur Entertainments. Helen Ferris. E. P. Dutton and Co., Inc., 681 Fifth Ave., New York City. 1921. \$2.00.

A book written to meet the needs of camp councillors. Contains stunts, plays, etc., collected from camp productions. Includes, also, musical numbers, song specialities, stage stunts for one person, minstrel shows, etc.

Recreational Methods of Teaching Camp Nature Lore. Charles F. Smith. Dodd, Mead and Co., 443 Fourth Ave., New York City. \$2.00.

This book is more than a nature guide, and contains nature games and suggestions for camp activities based on nature lore.

Ritual and Dramatized Folk Ways. E. R. Jasspon. Century Co., 353 Fourth Ave., New York City. 1925. \$2.50.

A book of value to the camp councillor because of its survey of the use of ritual and the dramatic element in the life of the people.

Services for the Open. L. S. Mattoon and H. D. Bragden. Century Co., 353 Fourth Ave., New York City. 1923. \$1.00.

Dignified and charming services for the camper and for outdoor occasions.

Shakespeare for Community Players. Roy Mitchell. E. P. Dutton and Co., Inc., 681 Fifth Ave., New York City. 1919. \$2.50.

A book for pageant type of production with special reference to camp production.

The Woodcraft League Manual. Ernest Thompson Seton. Woodcraft League of America, 110 West 34th St., New York City. \$1.50.

Gives Indian customs, traditions, and dances. Instructions for building camps and valuable information concerning laws, nature, and secrets of the woods.

C. CANOEING

The Boys' Book of Canoeing. Elon Jessup. E. P. Dutton and Co., Inc., 681 Fifth Ave., New York City. 1926. \$2.00.

Clear account of canoe handling, paddling, poling, sailing, and camping. Drawings and half-tone illustrations.

The Canoe. Robert E. Pinkerton. The Macmillan Co., 60 Fifth Ave., New York City. 1923. \$1.00.

Outing handbook. A manual for canoeing; care and construction of canoes.

Canoeing, Sailing, and Motor Boating. W. H. Miller. D. Appleton and Co., 29-35 West 32nd St., New York City. 1919. \$2.50.

Practical boat building and handling.

Kennebec Canoe Co., Waterville, Maine. Catalog free.

Old Town Canoes. 993 Main St., Old Town, Maine. Catalog free. Canoes as low as \$67.00.

Illustrated catalog of paddling, sailing, and Sponson canoes, dinghies, boats, and outboard motors.

Physical Education Activities for High School Girls. Staff of Department for Women, University of Michigan. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$3.50.

Chapter XI, "Canoeing, Its Place in a Program, Canoeing Equipment, Strokes, etc." Well diagramed and illustrated.

Racine Boat Co., Racine, Wisc. Catalog free.

D. EQUIPMENT

Camp Fire Outfitting Co., 197-199 Greene St., New York City.

Max Goodman and Son, 45-47 West 27th St., New York City.

Thomas Plant and Co., Ltd., Cheltenham, London, England.

This English firm makes a specialty of embroidered emblems. When they are mailed a few at a time in a letter there is no charge for duty. Write for further information.

Alex Taylor and Co., 22 East 42nd St., New York City.

Edward K. Tryon Co., 817-819 Arch St., Philadelphia, Pa.

A. G. Spalding Bros., Chicopee, Mass.; 105 Nassau St., New York City; 518 Fifth Ave., New York City; and all other large cities in United States.

Von Lengerke and Detmold, Inc., 349 Madison Ave., New York City.

Wright and Ditson, 344 Washington St., Boston, Mass.

E. MOTION PICTURES FOR THE CAMP

Bird Life. Fox Film Corp., Tenth Ave. and 55th St., New York City. Rent.

1 reel. Many types of birds.

Native Birds. Edited Pictures System, Inc., 130 West 46th St., New York City. Rent.

1 reel. "Birds of the United States."

National Bird Refuges. U. S. Dept. of Agriculture, Washington, D. C. Free.

1 reel. "Trip on government patrol boat to Federal bird refuges on islands in the Gulf of Mexico, off coast of Louisiana; brown pelicans, royal terns, laughing gulls, black skimmers, and others."

Birds of Prey, Pathé Exchange, Inc., 35 West 45th St., New York City. Write for nearest exchange. Rent.

1 reel. "Sparrows, hawks, condor, eagle. One of the screen studies."

Pirates of the Air. Church and School Film Exchange, 315 Polk Bldg., Des Moines, Iowa. Church Film Co., 1108 Boylston St., Boston, Mass. Edited Pictures System, Inc., 130 West 46th St., New York City. Pilgrim Photoplay Exchange, 804 South Wabash Ave., Chicago, Ill. Rent.

1 reel. "Chief among the aerial hunters are owls, eagles, and vultures."

Feathered Aviators. Church and School Film Exchange, 315 Polk Bldg., Des Moines, Iowa. Church Film Co., 1108 Boylston St., Boston, Mass. Rent.

1 reel. "The whooper-swan, the spur-winged gull of South America, the eagle, etc."

Song Birds as Citizens. Bray Productions, Inc., 729 Seventh Ave., New York City. Rent.

1 reel. "Familiar song birds at close range, with suggestions for their preservation and encouragement in the neighborhood."

Water Birds of the Gulf States. Standard Motion Picture Service, Inc., 1906 South Vermont Ave., Los Angeles, Calif., or 177 Golden Gate Ave., San Francisco, Calif., or 1540 Broadway, New York City.

1 reel. "Filmed off the Florida Keys. Terns, gulls, pelicans; splendid study of the heron."

Nature's Rogues. Bray Productions, Inc., 729 Seventh Ave., New York City. Rent.

½ reel. "Habits and life of skunks and weasels."

Our Animal Engineer. Bray Productions, Inc., 729 Seventh Ave., New York City. Rent.

½ reel. "The beaver at work—cutting and transporting logs, building house and dam."

The Beaver. Edited Pictures System, Inc., 130 West 46th St., New York City. Rent.

1 reel. "Cutting logs, taking them to home-site, building house of brush and mud, and dam to insure protection."

When Elk Come Down. U. S. Dept. of Agriculture, Washington, D. C. Free.

2 reels. "Elks in the natural forests of Montana—their protection."

The Four Seasons. Church Film Co., 1108 Boylston St., Boston, Mass. Edited Pictures System, Inc., 130 West 46th St., New York City. Homestead Films, 732 South Wabash Ave., Chicago, Ill. Pinkney Film Service Co., 1028 Forbes St., Pittsburgh, Pa. Spiro Film Corp., 161 Harris Ave., Long Island City, N. Y. Rent.

4 reels. "One of the most remarkable nature study pictures ever filmed. Response of animal life to different environment from one season to next. Beautifully photographed, and titled with real artistry."

Where the Moose Run Loose. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City; 1111 Center Street, Chicago, Ill. Free.

1 reel. "Extraordinary pictures of moose, both on land and water."

Monarchs of the Plain. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City; 1111 Center St., Chicago, Ill. Free.

1 reel. "The buffalo, yak, elk, and other wild animals."

The Gorilla Hunt. Film Booking Offices of America, 723 Seventh Ave., New York City. Write for nearest exchange. Rent.

Several reels. A most unusual picture. Many scenes of animal life.

Jungle Adventures. H. S. Brown, 806 South Wabash Ave., Chicago, Ill. Rent. Also obtainable from Iowa State College, Agricultural Extension Dept., Ames, Iowa.

5 reels. "Martin Johnson's jungle adventures. A fascinating chronicle."

Treeing and Roping Wild Animals. Pilgrim Photoplay Exchange, 804 South Wabash Ave., Chicago, Ill. Rent.

1 reel. Title is self-explanatory.

Turtles and Tortoises of All Lands. Standard Motion Picture Service, 1906 South Vermont Ave., Los Angeles, Calif., 177 Golden Gate Ave., San Francisco, Calif., 1540 Broadway, New York City. Rent.

1 reel. "An intimate study by Raymond Ditmars of this strange family of animals."

With Our Fur Bearing Animals. Standard Motion Picture Service, Inc., 1906 South Vermont Ave., Los Angeles, Calif., 177 Golden Gate Ave., San Francisco, Calif., 1540 Broadway, New York City. Rent.

1 reel. "Fox-farming, seal industry, smaller animals, including the raccoon, skunk, and others."

Scales and Tails. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City; 1111 Center St., Chicago, Ill. Free.

1 reel. Scenes at New York Aquarium.

The Animal World. Standard Film Service Co., 600 Film Bldg., Cleveland, Ohio. Rent.

4 reels. May be used separately. Reel 1, Prehistoric Animals; Reel 2, Large Animals of Sea and Jungle; Reel 3, Birds; Reel 4, Mountain Animals and Those of Cold Regions.

The Struggle for Existence. Bray Productions, Inc., 729 Seventh Ave., New York City. Rent.

1 reel. "Plants and animals that prey upon each other."

Petrified Forests. Standard Film Service Co., 600 Film Bldg., Cleveland, Ohio. Carter Cinema Producing Corp., 551 Fifth Ave., New York City. Rent.

1 reel. "Wonders of Arizona's petrified forests and the Painted Desert in Prizma color."

F. ORGANIZATION AND ADMINISTRATION

American Boys' Handy Book of Camp Lore and Woodcraft. Dan Beard. J. B. Lippincott Co., 227-231 East Washington Square, Philadelphia, Pa. 1920. \$3.00.

A book filled with traditions of camp life. Gives valuable suggestions for construction of camps, and detailed and illustrated instructions for building a council ring. The last chapter deals with the ritual of the council fire, suggesting an Americanized form of the Indian ceremony.

Camp and Outing Activities. F. H. Cheley and G. C. Baker. Association Press, 347 Madison Ave., New York City. 1915. \$2.00.

A good book on camp problems and activities. The material is standard for camp leaders.

Camp Management. H. W. Gibson. Published by the author, 14 Avon Road, Watertown, Mass. 1923. \$5.00.

A well-organized discussion of camp management.

Camping and Woodcraft. Horace Kephart. The Macmillan Company, 60 Fifth Ave., New York City. 1921. \$2.50.

A manual of camping and woodcraft, going into the details of choosing sites, camp construction, organization, etc.

Camping Out. H. Weir. Playground and Recreation Association, 315 Fourth Ave., New York City. \$2.00.

A book of organized camping, a guide for camping activities.

Camps and Camping. E. H. Lehman. American Sports Publishing Co., 45 Rose St., New York City. Paper cover, 35c.

A Spalding handbook revised yearly. No. 105X.

Summer Camps.

The Camping Ideal.

More About Summer Camps.

Henry Wellington Wack. Red Book Magazine, Department of Education, 33 West 42nd St., New York City. 1925-1926. \$2.00 each.

Observations of the camping movement from tours made through the organized camps on the Atlantic coast and mid-West states.

The Theory of Organized Play. W. P. Bowen and E. D. Mitchell. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.40.

Chapter VI, "Camp Life in the Play Program," is of decided interest to camp councillors. The book merits a place in the camp library.

G. PROFESSIONAL CAMPS AND INFORMATION FOR COUNCILLORS

American Institute of Dalcroze Eurythmics. Paul Boepple, Director, 9 East 59th St., New York City.

Summer camp courses in Maine for teachers. Write New York address for catalog.

Camp Craft Conference (Camp Directors Association). Camp Allegro, Silver Lake, N. H. Albert S. Pulling, Director. Seventh Year. June. \$40.

Camp Directors Association. Laura S. Mattoon, Secretary, Wolfeboro, N. H.

Camping. Official Journal of Camp Directors' Association, American Sports Publishing Co., 45 Rose St., New York City. 35c.

Camps. American Schools Association, 1212 Times Bldg., New York City; or 17 North State St., Chicago, Ill.

Free catalogs, information, and expert advice on all boys' and girls' camps in United States.

Handbook of Summer Camps. Porter Sargent, 11 Beacon St., Boston, Mass. 800 pp., 8 maps. \$5.00.

An annual complete directory.

Field Hockey and Sports Camp. Mills College, Calif.

Credit in both graduate and undergraduate work in field hockey, fieldball, speedball and soccer. For information, address: Miss Rosalind Cassidy, Mills College Post Office, Calif.; or Miss Hazel J. Cubberley, University of California, Los Angeles, Calif.

June Tennis Camp. Camp Wenonah, Naples, Maine. \$30.00 a week.

For women interested in the teaching, playing and organization of tennis. For information, address: Miss Dorothy Davies Randle, 419 West 119th St., New York City; or Miss Marjorie Hillas, Teachers College, Columbia University, New York City.

Mid-West Hockey Camp, Wetomachek, Powers Lake, Wisc.

Under Chicago Normal School of Physical Education. The camp is for teachers and players interested in sports. Registration for one week or more—July-August. For information, address: Miss Frances Musselman, 5026 Greenwood Ave., Chicago, Ill.

Nature Camps (Pennsylvania State College). Alan Seeger
Ranger Station, Stone Valley, Pa. George R. Green, Director.

Camp No. 1 opens the end of June. Camp No. 2 opens the latter part of July.

Nature Guide School (Senior Teachers College of Western Reserve University and Cleveland School of Education), Hudson, Ohio.

Opens middle of June. William G. ("Cap'n Bill") Vinal, Director.

The Nature Lore School (Coördinating Council on Nature Activities). Camp Andree, Briarcliff Manor, N. Y. Bertha Chapman Cady, Executive Secretary. Ninth year. For month of June. \$20.00 a week.

September Hockey and Lacrosse Camp, Mt. Pocono, Pa. \$30.00 a week. Director, Miss Constance M. K. Applebee.

The camp opens end of August and closes end of September. Registration for a week or more. Expert coaching in both hockey and lacrosse. For those interested, other English games, cricket, badminton, tenniquoit, stool ball, and water polo will be demonstrated. For information, address: Miss Constance M. K. Applebee, 380 Riverside Drive, New York City.

Summer Camp of the Physical Education Department of New York University, on Sebago Lake, Sloatsburg, N. Y. Jay B. Nash, Director. For July and August.

Camp work for university credit.

Camp Leadership Course. Teachers College, Columbia University, 525 West 120th St., New York City. E. K. Fretwell, Director.

Eight Monday evening meetings, March and April. This course may be taken with or without credit for degree. Special registration.

See also EQUIPMENT AND SUPPLIES, page 59.

CAMPING. (Add other materials in space below.)

V. COSTUMES

Sources of costume information are many and varied, and wide in range. The material offered in this section is largely illustrative, and covers the entire historical development of costume; it also considers the problems of costume and costuming from the standpoint of the amateur and the professional. The addresses of various commercial costumers will be found of value to those engaged in production of plays, festivals, or pageants.

A. SOURCES AND DESIGN

Art Extension Society, 65 East 56th St., New York City. Catalog, 25c.

The catalog contains special topical lists of subjects. The reproductions are done in color and furnish suggestive material for costuming of all periods. See also Art Extension Society under PICTURES, POSTERS, CHARTS, AND SLIDES.

Burbank Pilgrim Bookstore, Plymouth, Mass. Catalog free.

Dealers in souvenirs and pictures of the local community.

Pilgrim Dolls, Priscilla and John Alden, dressed in costume of 1620, height 12". Each, \$2.50.

Pilgrim Pictures, various sizes and prices from 50c to \$2.00.

Priscilla Costumes, \$3.00.

Miles Standish Sword, \$3.25.

Copley Prints. Curtis and Cameron, 12 Harcourt St., Boston, Mass. Illustrated catalog, 25c.

Of special interest are the reproductions of the Grail pictures of Edwin A. Abbey, taken from the frieze decoration in the Boston Public Library. The details of costume are exquisitely carried out.

Grail Portfolio, containing 15 panels with brief story under each title, 4"x5". \$3.50.

The Grail in 15 Copley Color Cards, 3½"x5½", \$1.50 each. Not sold singly.

Special Grail circular sent upon request.

Costume and Fashion. Herbert Norris. E. P. Dutton and Co., 681 Fifth Ave., New York City. 2 vols. Each \$7.50.

The evolution of European dress through the earlier ages. Delightfully illustrated by the author in color and in black and white.

Costumes and Scenery for Amateurs. Constance D. Mackay. Henry Holt and Co., 1 Park Ave., New York City. \$1.75.

This book gives a series of costumes and scene sets that can easily be copied for plays, masques, festivals, and pageants. Costumes for children's plays are specially pictured. Ingenious suggestions for using simple and cheap materials.

Costume Silhouettes. Mary Evans. J. B. Lippincott Co., 227-231 East Washington Square, Philadelphia, Pa. \$1.00.

Contains some worthwhile suggestions.

Fairbairn Folios of Art Education. Fairbairn Art Co., 736 West 173rd St., New York City. \$1.00 per folio.

Costume designs for Egypt, Greece, Rome, the Orient, Age of Chivalry, and American costumes. Good designs for stage costumes.

The Folk Costume Book. Frances H. Haire. A. S. Barnes and Co., 67 West 44th St., New York City. 1926. \$6.00.

One of the outstanding books on costumes, illustrated by Gertrude Moser. It should be in every physical education library.

Godey's Lady Book. Harper and Bros., 49 East 33rd St., New York City. Not for sale.

Bound volumes obtainable at public libraries for reference. The first fashion magazine published in the United States.

Historic Costume Plates. Belle Northrup. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$1.50.

Ninety-five figures pictured wearing authentic costumes typical of the country or period. Fourteen plates are historical, such as Egyptian, Greek, Medieval, up to the twentieth century. The rest depict peasant or national dress of the east and west, such as Russia, India, Italy, Scotland, together with military, royal, and ecclesiastical types. Directions are given for making some of the simpler types. An invaluable help.

Illustrated Travel Pamphlets from tourist bureaus and steamship companies.

These pamphlets offer authentic costume material in colored plates and in poster form. This material is sent free, and in addition to the travel information often includes much of interest concerning customs of foreign countries.

A few companies supplying this material are named in the following list:

Belgian Railroads Information Bureau, 701 Fifth Ave., New York City.

Canadian Pacific Steamship Line, 344 Madison Ave., New York City.

Thomas Cook and Sons, 585 Fifth Ave., New York City.

Cunard Steamship Co., 25 Broadway, New York City.

French Government Tourist Information Bureau, 342 Madison Ave., New York City.

German Railroads Information Bureau, 630 Fifth Ave., New York City.

International Wagon Lits Co., 701 Fifth Ave., New York City.

Italian Railroads Information Bureau, 749 Fifth Ave., New York City.

London and North Eastern Railroad Co., 311 Fifth Ave., New York City.

London, Midland and Scottish Railway Co., 200 Fifth Ave., New York City.

Swiss Federal Railroads Information Bureau, 241 Fifth Ave., New York City.

Les Costumes Regionaux de la France. The Pegasus Press, Harcourt, Brace and Co., 383 Madison Ave., New York City. \$275.00. Prospectus with sample plate sent on request.

A limited edition for libraries. Published in four large portfolio volumes. Contains two hundred water colors by Gratiens de Gardilanne and Elisabeth Whitney Moffat. The historical text, by Henry Royere, with preface by Princess Martha Bibesco, introduction by Robert W. de Forrest, president of the Metropolitan Museum of Art, demands special attention. The book, through detail in color and design, will give accurate information to all interested in historical costumes and costuming.

Liberia F. Onaganja. Piazza San Marco, Venezia, Italy.

Venetian pictures and copies of Old Masters. These pictures are excellent for the notebook of the costumer.

Medici Society of America, Inc., 109 West 57th St., New York City. Illustrated catalog, 25c.

An excellent line of prints of interest for the costumer since the color presentation of these prints is very accurately done.

Metropolitan Museum of Art, Fifth Ave. and Central Park East, New York City.

The museum has postcards and pictures of costumed dolls illustrating the trend of women's apparel from the Middle Ages to the twentieth century. This collection gives splendid ideas for costume design.

National Costumes of the Slavic Peoples. Margaret Swain Pratt. Woman's Press, 600 Lexington Ave., New York City. 75c.

Illustrated book on costumes. Suggestive for costuming a folk dance festival.

National Geographic Magazine, Hubbard Memorial Hall, 16th and M St., N. W., Washington, D. C. \$3.50 a year.

This magazine, published monthly, gives much illustrative material on costumes of different countries. Many of these illustrations are done in color. Search through back numbers or write for list of such illustrations and accompanying descriptions.

Patterns for Historic Plays. Butterick Pattern Co., 223 Spring St., New York City.

Write for list.

Reading List on Historic and Fancy Costume. Anna M. Boyd and Mabel Miller. Historical Outlook, Vol. XII, pp. 55-60. McKinley Publishing Co., 1623 Ranstead St., Philadelphia, Pa. Single copy, 30c.

For historical pageants and amateur plays, and for domestic art. A splendid source list.

School Art Magazine. Davis Press, Worcester, Mass. Subscription, \$3.00 a year. Single plate, \$1.00.

Forty-eight costumes with color notations, dealing with American costumes from 1775 to 1925.

Zur Geschichte der Costume. Nach Zeichnungen von Wilhelm Diez, C. Frohlich, C. Haberen, M. Heil und Muller, F. Rothbad, J. Walter, Verlag von Braun und Schneider in Munchen. Colorierte Ausgabe. E. Weyhe Art Books in all languages, 794 Lexington Ave., New York City.

An unusual collection of material for those interested in costume work. This collection is authentic; it contains five hundred illustrations in color and one hundred twenty-five descriptions of costumes in detail. The list price does not remain constant and is therefore not quoted.

B. COSTUMERS

Oscar Berner, 107 West 46th St., New York City.

Wigs, make-up boxes, etc. Well recommended.

Gantner & Mattern, Mission St., San Francisco, Calif.

Recommended by Department of Physical Education, University of Oregon, for dance suits.

See also **EQUIPMENT AND SUPPLIES**, page 59; and **FESTIVALS AND PAGEANTS**, page 65.

COSTUMES. (Add other materials in space below.)

VI. DANCING AND RHYTHMS

The references and materials gathered together under this heading group themselves naturally into different subheadings. Those whose major interest lies within this field will find listed references and professional books on the subject as well as the outstanding books of dance material. The books under "Rhythms" comprise only those in which practically all the material included is desirable for use in rhythmic activities.

A. GENERAL REFERENCES

Brentano's, 1 West 47th St., New York City.

The Foreign Publication Department of this company imports, at reasonable prices, the modern German dance books, which are richly illustrated.

Classic Myths (Revised edition). C. M. Gayley. Ginn and Co., 70 Fifth Ave., New York City. \$1.92.

A good reference book for the myths of Greek and Roman gods. Also contains the myths of the Norse and old German heroes. Richly illustrated with pictures, poetry, and prose selections. A very fine commentary, giving references to poetry, prose, art, and music. This book is an excellent source book.

The Dance, Its Place in Education. M. H. H'Doubler. Harcourt, Brace and Co., 383 Madison Ave., New York City. \$3.50.

A fundamental treatment of the dance and its relation to education. Includes drawings of basic positions and movements of the natural type of dancing.

The Dance. Troy and Margaret West Kinney. Frederick A. Stokes Co., 443 Fourth Ave., New York City. 1924. \$7.50.

A discussion and interpretation of Greek, Ballet, European, Folk, and Social dancing, with 169 diagrams and drawings and 334 illustrations.

Dancing Through English Literature. Milton M. Smith. English Journal, June 1920. University of Chicago Press, Chicago, Ill. Single copy, 35c.

An interesting article on the folk dance in English literature. Explanations of the Morris dance and Sword dance, with specific references to English literature.

Dictionary of British Folk Lore. Alice Bertha Gomme. David Nutt, 270-271 Strand, London, England. Order in United States through A. G. Seiler, 1224 Amsterdam Ave., New York City. 2 vols. Price subject to change.

The most valuable and authentic dictionary on folk lore and traditions of England and other countries which served as sources.

Vol. I. Traditional Games of England, Scotland, and Ireland. Tunes, singing rhymes, and methods of playing in different parts of England.

Vol. II. Traditional Games of England, Scotland, and Ireland. Dictionary of folk lore and traditions.

A History of Dancing. Gaston Vuillier. D. Appleton and Co., 29 West 32nd St., New York City. \$17.50.

A comprehensive history of dancing from the earliest times to the present, containing 20 full page plates and 409 illustrations.

Rhythm, Music and Education. Jacques-Dalcroze. Translated from the French by Harold F. Rubenstein. G. P. Putnam's Sons, 2 West 45th St., New York City. 1921. \$3.50.

Chapters IV to IX. Initiation into rhythm; new educational ideas of music and the child; rhythm and creative imagination.

B. DANCE COLLECTIONS

Clog Dances

Athletic Dances and Simple Clogs. Marjorie Hillas and Marion Knighton. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

An excellent book; not too difficult for the average class. Filled with activity and spirit.

The Clog Dance Book. Helen Frost. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.40.

Among the first to appreciate the appeal of clog dancing, the author has gathered within this book a group of original clog dances.

Clog and Character Dances. Helen Frost. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.60.

This book follows "The Clog Dance Book" and includes some athletic dances.

Gymnastics and Folk Dancing Books. Volume V, Clogs and Jigs. Mary Wood Hinman. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

Explicit and easy directions for dances described. Arranged with music.

Musical Settings for Clog Dance Technique. Gertrude Haynes Young. Gamble Hinged Music Co., Chicago, Ill. \$2.00.

A routine of clog dance technique with music. Includes a number of dances suitable for use in high schools. The book is "Gamble-ized" so that the pages never tear.

Oriental and Character Dances. Helen Frost. Music by Lily Strickland. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$3.00.

One of the few collections of oriental dances. The illustrations and music deserve special note.

Folk Dances

All the World A-Dancing. Mari Ruef Hofer. Clayton F. Summy, 429 Wabash Ave., Chicago, Ill. \$1.00.

Collection of dances and music from all nationalities.

American Indian and Other Folk Dances. Mary Severance Shafter. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

A collection of the traditional dances of the American Indian, which includes the Corn Dance, the Dance of the White Deer, and others. Sections devoted to American, Portuguese, Spanish, and Mexican dances are of particular interest.

Children's Singing Games, Old and New. Mari Ruef Hofer. A. Flanagan and Co., Chicago, Ill. 1914. 50c.

Paper-bound booklet containing material for use with younger groups.

The Country Dance Book. Cecil J. Sharp. Novello and Co., London, England. Procured in United States from The H. W. Gray Co., 159 East 48th St., New York City.

Vols. I, II, and III. Each, \$2.75; unbound, \$2.00. Music, Sets 1 to 6. Each, \$1.25.

Court Dances and Others. Nellie Chaplin. The H. W. Gray Co., 159 East 48th St., New York City. Price subject to change.

Collection of ancient court dances, Pavanne, Galliard, Canaries, Chaconne, and others.

Dances of Our Pioneers. Grace L. Ryan. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

An unusual collection of pioneer and early American dances and calls. All dances carefully diagramed and well illustrated.

English Folk Dance and Song. F. and Mary Neal. The Macmillan Co., 60 Fifth Ave., New York City. \$2.00.

Simple English folk dances and accompanying dance songs.

The Folk Dance Book.

The Second Folk Dance Book.

C. Ward Crampton. A. S. Barnes and Co., 67 West 44th St., New York City. Each book, \$2.40.

Collections of characteristic folk dances graded in difficulty.

Folk Dances and Games. Caroline Crawford. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.40.

Collection of Finnish, Swedish, Scotch, English, German, French, and Bohemian dances. For elementary grades.

Folk Dances for Boys and Girls. May Effie Shambaugh. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

A delightful collection of new folk dance material arranged for elementary, intermediate, junior high, and high schools, and including more difficult dances for use in colleges.

Dances of the People. Elizabeth Burchenal. G. Schirmer, 3 East 43rd St., New York City. \$2.00.

Folk Dances of Denmark. Elizabeth Burchenal. G. Schirmer, 3 East 43rd St., New York City. 1915. \$1.50.

Folk Dances of Finland. Elizabeth Burchenal. G. Schirmer, 3 East 43rd St., New York City. 1915. \$1.50.

Folk Dances from Old Homeland. Elizabeth Burchenal. G. Schirmer, 3 East 43rd St., New York City. \$1.50.

Folk Dancing as a Popular Recreation. Elizabeth Burchenal. G. Schirmer, 3 East 43rd St., New York City. 1922. 50c.

Folk Dancing as Social Recreation for Adults. Elizabeth Burchenal. Playground and Recreation Association, 315 Fourth Ave., New York City. 1920. 15c.

National Dances of Ireland. Elizabeth Burchenal. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

Folk Dances of Bohemia and Moravia. Anna Spacek and Neva L. Boyd. Saul Bros., 626 Federal St., Chicago, Ill. 1917. \$1.00.

Singing dances and traditional singing games developing into folk dances are found in this collection.

Folk Dances of Czechoslovakia. Marjorie Crane Geary. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.40.

Illustrated in color, with all costume details carefully carried out. Contains Tan Sui and other dances.

Folk Games and Gymnastic Play. Dagny Pederson and Neva L. Boyd. Saul Bros., 626 Federal St., Chicago, Ill. 1914. 75c.

Traditional singing games and simple folk dances for little children.

Folk Games of Denmark and Sweden. Dagny Pederson and Neva L. Boyd. Saul Bros., 626 Federal St., Chicago, Ill. 1915. \$1.00.

Contains some charming dances; of especial note: "Now 'Tis Christmas Time" and "A Trip to Stockholm." Dances include those from simplest singing games to most complex patterns. A delightful book.

A Group of Danish Folk Dances and Singing Games. Descriptions by Dorothy Ainsworth, Frances McInnis, and Amy Lindner. Music arranged by Helene Fisk. Procured from Miss Dorothy Ainsworth, Smith College, Northampton, Mass. \$1.00.

A photographed collection of dances and music. Much of this material appears in no other collection of folk dances. Every dance is charming and usable.

Gymnastic and Folk Dancing Books. Mary Wood Hinman.
A. S. Barnes and Co., 67 West 44th St., New York City.

Vol. I. Solo Dances. \$1.60.

Vol. II. Couple Dances. \$1.60.

Vol. III. Ring Games and Dances. \$1.60.

Vol. IV. Group Dances. \$1.60.

Vol. V. Clogs and Jigs. \$2.00.

Included in these volumes are dances of all kinds, and folk dances of all nationalities.

Lithuanian Dances. Sheet Music. Helen Shipps and Gertrude Smith. Clayton F. Summy Co., 429 Wabash Ave., Chicago, Ill. 50c.

Eight dances with music. Very good teaching material.

The Morris Book. Part I. Cecil J. Sharp and Herbert C. Macilwaine. Novello and Co., London, England. Sole agents in United States: The H. W. Gray Co., 159 East 48th St., New York City. \$2.75. Unbound, \$2.00.

A collection of Morris dances. Music under separate cover.

Old Devonshire Dances. Mildred Bult. J. Curwen and Sons, London, England. Agents in United States: The H. W. Gray Co., 159 East 48th St., New York City; and E. C. Schirmer Co., 221 Columbus Ave., Boston, Mass. One shilling (25c).

Collection of simple Devonshire dances: "The Tempest," "Circassian Circle," "Cross Hands," "Haste to the Wedding," and "Follow My Love."

Old English and American Games. Florence Warren and Neva L. Boyd. Saul Brothers, 626 Federal St., Chicago, Ill. 1915. \$1.00.

A collection of traditional singing games of England and America.

Old Square Dances of America. Neva L. Boyd and Tressie M. Dunlavy. Recreation Training School of Chicago, 800 South Halsted St., Chicago, Ill. 1925. 75c.

Excellent teaching material.

Polite and Social Dances. Mari Ruef Hofer. Clayton F. Summy Co., 429 Wabash Ave., Chicago, Ill. 1917. \$1.25.

A collection of historic dances, Spanish, Italian, French, English, German, American, with historical sketches, descriptions, etc. Costume notes.

Popular Folk Games and Dances for Playground, Vacation School and Schoolroom Use. Mari Ruef Hofer. A. Flanagan Co., Chicago, Ill. 1921. \$1.00.

Paper-bound collection of dances and games for elementary and intermediate groups.

Rhythms and Dances for Elementary Schools. Dorothy La Salle. A. S. Barnes and Co., 67 West 44th St., New York City. 1926. \$4.00.

An outstanding contribution to physical education material. Rhythms and dances graded for Grades 1 to 8 inclusive. Excellent bibliography. Statement of aims and objectives for elementary school program of rhythms and dances.

Russian Peasant Dances. Edna L. Baum. Clayton F. Summy Co., 225 Wabash Ave., Chicago, Ill. 60c.

A charming collection of ten Russian dances suitable for fifth and sixth grades.

Slavic Folk Dances. Marjorie Crane Geary. Woman's Press, 600 Lexington Ave., New York City. 1924. \$1.75.

A paper-covered collection of simple folk dances. Graded in difficulty and arranged in couple, group, single circle, and quadrille formation. Outstanding among the collection are Kolo and Kolmyjka.

The Sword Dances of Northern England. Cecil J. Sharp. Novello and Co., London, England. Sole agents in United States: The H. W. Gray Co., 159 East 48th St., New York City. Vol. I and Vol. II. \$2.75 each. Unbound, \$2.00 each.

Music, Sets I-II, \$1.25 each.

Textbooks of Dancing. Louis Chalif. Published by the author and for sale at The Chalif Normal School of Dancing, 163 West 57th St., New York City.

Vol. I. Standard Position. \$3.00.

Vol. II. Standard Positions and Analysis of Steps. \$3.00.

Vol. III. Greek Dancing. \$3.00.

Vol. IV. Technique. \$3.00.

Vol. V. Toe Dancing. \$3.00.

Music for Vol. I and Vol. II (Junior part), 50 selections of Russian airs and folk tunes. \$3.00.

Music for Vol. IV (Senior Part), 30 selections. \$3.00.

Music for Vol. III and Vol. V. Each, \$3.00.

Natural Dancing

Natural Dance Studies. Helen Norman Smith. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A collection of natural dance studies which includes rhythms for children and for adults. Much of the music was written by the author.

Natural Rhythms and Dances. Gertrude Klein Colby. A. S. Barnes and Co., 67 West 44th St., New York City. 1924. \$4.00.

An excellent collection of rhythms, dances, and music. Invaluable for the teacher of natural dancing.

C. RHYTHMS

The A B C of Rhythmic Training. Elizabeth Waterman. Clayton F. Summy, 429 Wabash Ave., Chicago, Ill. 1927. \$2.50.

A recent and excellent collection of original and simplified arrangements of music from the great composers for use in rhythmic activities. Suggestions for their use are included, with special emphasis on the development of music appreciation.

Child Life in Music. Francis M. Arnold. The Willis Music Co., 137 West Fourth St., Cincinnati, Ohio. \$1.50.

An excellent collection of rhythms for use in lower elementary grades and for simple dance rhythms in high school.

Dance Technique and Rhythms. Elsa Pohl and Carolyn Gergheim. A. S. Barnes and Co., 67 West 44th St., New York City. \$4.00.

A book of ballet technique with complete step analysis.

Festivals and Plays of Children. Francis M. Arnold. The Willis Music Co., 137 West Fourth St., Cincinnati, Ohio. \$1.50.

A collection of music for children arranged according to the seasons of the year, including animal and vocational rhythms in simplified arrangements.

Music for the Child World. Mari Ruef Hofer. Clayton F. Summy, 429 Wabash Ave., Chicago, Ill.

Vol. I. Characteristic Scenes and Sketches. \$2.50.

Vol. II. Rhythms, Marches, and Games. \$2.50.

Vol. III. Musical Story and Picture Book. \$2.50.

Probably no collections of rhythms is so generally known as the Hofer collection. The music is simple and exceedingly suggestive and material for all possible occasions and uses is included.

Rhythms. Mary Trumpf, Breeze Terrace, Madison, Wisc.

The music used by Margaret H'Doubler for rhythm work may be purchased in two sets of blue-print music. This music is all written expressly for Margaret H'Doubler's use and is most excellent. Price varies according to number ordered. Write for information.

Rhythms and Dances for Elementary School. Dorothy La Salle. A. S. Barnes and Co., 67 West 44th St., New York City. 1926. \$4.00.

An outstanding contribution to physical education material. Rhythms and dances graded for Grades 1 through 8. Excellent bibliography. Statement of aims and objectives for elementary school program of rhythms and dances.

Rhythms for Children. Nos. 110, 111, and 119 in the Physical Education Handbook, by Mary S. Shafer; music by Mary Morgan Mosher. A. S. Barnes and Co., 67 West 44th St., New York. 50c each.

These little books offer delightful and original material for rhythmic activities and were written primarily for use in the Horace Mann School of Teachers College, Columbia University. The objectives included are worthy of special mention.

Skips and Rhythmical Activities. Dora Buckingham. Clayton F. Summy, 429 South Wabash Ave., Chicago, Ill. \$1.00.

Skips, animal play, and vocational rhythms written for younger children but valuable for use with older groups.

Physical Education Activities for High School Girls. Staff of Dept. of Physical Education for Women, University of Michigan. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$3.50.

Chapter VIII, "Rhythmic Activities." This chapter contains a bibliography of worth. Also discussion of rhythmic activities grouped under the following headings: 1. Rhythms; 2. Dances; 3.

Festivals; 4. Theory; 5. General; 6. Music. Music for rhythm training outlined in detail.

See also MUSIC, page 90.

DANCING AND RHYTHMS. (Add other materials in space below.)

VII. DRAMATIC EXPRESSION AND CREATIVE ACTIVITIES

The prominence given in school programs to activities dealing with dramatic expression and creative work brings to all concerned with such activity the question of source material. The simpler and truer the work done, the greater the charm and the more desirable the result. Simple stories, myths, and legends lend themselves admirably as a basis of activity of this type. The stories and other materials listed are delightful in themselves, and are excellent for use with both younger and older groups. When used for high school or college groups, an added subtlety and humor and, perhaps, a touch of sophistication make their use even more pleasing.

SONGS, STORIES, AND VERSES FOR DRAMATIZATION AND RHYTHM WORK

Bibliography. Section 229, Book List, published by The American Physical Education Association, Box G, Highland Station, Springfield, Mass. Entire book list free to members; to non-members, 50c.

List of plays and pageants.

Book of Holidays. Harry Spencer Stuff, Times-Mirror Co., 118 South Broadway, Los Angeles, Calif. 84c.

Attractive book of concise information about the little known as well as the familiar holidays of the world.

Classic Myths (Revised edition). C. M. Gayley. Ginn and Co., 70 Fifth Ave., New York City. \$1.92.

A good reference book for myths of Greek and Roman gods, Norse and old German heroes. Gives references to poetry, prose, art, and music. An invaluable book for those engaged in working along the line of dramatic expression and creative activity.

Dramatizing Child Health. Grace T. Hallock. American Child Health Association, 370 Seventh Ave., New York City. 1925. \$2.00.

Health plays; chapters on writing and producing plays for children.

For the Children's Hour. Carolyn Sherwin Bailey and Clare M. Lewis. Milton Bradley Co., 49 Willow St., Springfield, Mass. Anniversary edition, 1926. \$1.75.

Stories are grouped under: Stories of Home Relationship, The Home, Stories of Foodstuffs, Farmers, Clothing, and Industry. Stories about Nature, Holidays, and Fairies are also included.

Fourteen Songs from "When We Were Very Young." Words by A. A. Milne; music by H. Fraser-Simson. \$3.00.

The King's Breakfast. \$2.00.

Teddy Bear and Other Songs. \$3.00.

Songs from "Now We Are Six." \$3.00.

E. P. Dutton and Co., Inc., 681 Fifth Ave., New York City.

Songs for dramatization and rhythm work taken from the publications of the well-known English writer. Appealing to young and old.

The Happy Hour Books. Edited and published by The Macmillan Co., 60 Fifth Ave., New York City. 50c each.

"Wee Willie Winkie," "Humpty Dumpty," "Hansel and Gretel," "Three Little Pigs," "Three Billy Goats," etc., each separately bound and useful for dramatization. Illustrations excellent for costume suggestions.

Indian Ceremonials and Sports. Alice Fletcher. C. C. Burdard Co., 221 Columbus Ave., Boston, Mass. 1915. \$2.00.

Contains ceremonies, rituals, songs, games, and dances with native music.

Indian Story and Song. Alice Fletcher. Small, Maynard and Co., 41 Mt. Vernon St., Boston, Mass. 1900. \$1.50.

The work of Alice Fletcher is as authentic and complete as any available material on the American Indian. History, tradition, customs, beliefs, stories, songs, and dances are all faithfully and skillfully presented in her books.

Labor Day, Memorial Day, Christmas, New Year's Day. Jersey City Free Public Library, Jersey City, N. J. Free.

Four pamphlets giving brief descriptions of the origin, history, and method of observance of each holiday. Short bibliographies are included.

Land of Make-Believe. A World for Little Actors. Mary Gardner. Educational Publishing Co., 234 Boylston St., Boston, Mass. 1923. 60c.

A collection of folk tales and stories adapted for use of little children in dramatization. Includes story and play of "Fairies of Caldron Low," "Pied Piper of Hamlin," "The Bishop of Halle," "The Brown Dwarf of Reiger," etc.

Merry Tales for Children. Carolyn Sherwin Bailey. Milton Bradley Co., 49 Willow St., Springfield, Mass. 1921. \$1.75.

Humorous stories drawn from every source, both old and modern. Truly "funny" stories under the headings: Merry Animal Stories, Merry Folk Tales, Merry Fairy Tales, etc.

Stories Children Need. Carolyn Sherwin Bailey. Milton Bradley Co., 49 Willow St., Springfield, Mass. 1927. \$1.75.

Stories grouped under headings: Stories that talk, think, feel, train the senses, train imagination, etc. A book for teachers of little children, filled with stories which dramatize naturally and can be done in rhythmic type of work.

Stories, Legends, Songs, and Plays for the Christmas Holidays. New York Public Library, 476 Fifth Ave., New York City. Free.

Brief list including several unusual and little known Christmas stories. Sources are given and some annotations, but no publishers or prices.

When We Were Very Young. \$2.00.

Winnie-The-Pooh. \$2.00.

Now We Are Six. \$2.00.

The House at Pooh Corner. \$2.00.

A. A. Milne. E. P. Dutton and Co., Inc., 286 Fourth Ave., New York City.

Stories and verses for little children, which lend themselves delightfully to dramatization.

The World Library for Children, English Edition. New Era Publishing Co. on behalf of The New Education Fellowship, 11 Tavistock Square, London, England. 1924. Procure in United States from Mrs. B. N. Strong, 52 Garden St., Cambridge, Mass., under title, "Sesame Books." 20c singly, or \$1.50 for set of ten.

Collection of tiny pamphlets attractively bound, containing a wide range of stories, plays, and puppet shows from every country; Japanese fairy tales, two legends by Tolstoi, Schiller's "Maid of Orleans," Swedish, Welsh, and Irish tales.

DRAMATIC EXPRESSION AND CREATIVE ACTIVITIES. (Add other materials in space below.)

VIII. EQUIPMENT AND SUPPLIES

An effort has been made to give here names and addresses of firms manufacturing and selling all types of equipment used in physical education activities. The list includes firms from which standard as well as special equipment may be purchased. No attempt has been made to go into the detail of equipment, but rather to give general information of use to teachers, supervisors, and administrators.

Aldrich and Aldrich, 1857 Milwaukee Ave., Chicago, Ill.

Manufacturers of women's apparel only. Send for catalog.

Chicago Gymnasium Equipment Company, 1835 West Lake St., Chicago, Ill.

General equipment for gymnasium and play field. Catalog free.

Curtiss Lighting, Inc., 1110 West Jackson Blvd., Chicago, Ill.
Free.

This company has a number of folders dealing with the lighting of theatres, floodlighting, etc. These folders contain many pictures and suggestions of value.

Dennison Manufacturing Co., 220 Fifth Ave., New York City.
Stores and Service Bureaus in Boston, Philadelphia, and Chicago.

Paper useful for scene making. Paper costumes. Catalogs describing these can be obtained from any store. Applications to a neighboring service bureau will bring a representative to suggest schemes and costumes, free of charge. An exhibit of paper scenery may be seen at 220 Fifth Ave., New York City.

Display Stage Lighting Co., Inc., 410 West 47th St., New York City.

"Lights for Every Purpose." Catalog of 110 pages containing interesting pictures showing the range of apparatus and equipment used in theatrical and stage lighting—floods and gelatines.

Fox Color Co., Inc., 240 East 136th St., New York City. Catalog of school scenery, free.

Dealers in scenic artists' materials; calcimines, and water paints for scenery painting. A special school catalog on request.

General Electric Company, Harrison, N. J. Edison Lamp Works. Bulletins on Mazda Lamps and Lighting. Free.

These bulletins are sent free "to those interested in particular subjects. A mailing list is maintained of individuals following lighting work." The most valuable bulletins for teachers of physical education are:

L D 101B. "Effect of Maintenance and Color of Surroundings on Resultant Illumination." 28 pages, 10 illustrations. Discussion of reflection factors of different finishes.

L D 109B. "Lighting of Schools and Gymnasiums." 28 pages, 16 illustrations. Could be used as a basis for project on survey of school lighting system.

L D 146A. "Stage Lighting." 48 pages, 29 illustrations. Historical evolution of stage lighting and modern apparatus. Light and color on the stage.

L D 155. "Illumination Terms." 56 pages. Explains illumination terms by use of pictures.

L D OA. "Index of Information contained in Lighting Data Bulletins." 16 pages. Lists in alphabetical order the principal subjects discussed. Gives page and bulletin where data may be found.

Giant Manufacturing Co., Trenton, N. J. Giant Flood Light Projectors.

Lights for swimming pools, playgrounds, gymnasiums, and athletic fields. Prices vary from \$33.00 to \$200.00. Lights vary from 500 watt to 2000 watt.

Kliegl Brothers, 321 West 50th St., New York City. Catalog M. Free.

A publication of 128 pages showing interesting details of stage lighting. Kliegl Brothers will gladly supply enough for a class in Plays and Festivals.

Lowe and Campbell, 1509-1513 Baltimore Ave., Kansas City, Mo.; 206 South Wabash Ave., Chicago, Ill.; 705 Main St., Cincinnati, Ohio; 1122-1129 Pine St., St. Louis, Mo.; 1915-1917 Commerce St., Dallas, Texas; 415-417 South Fifth St., Minneapolis, Minn.

Medart Mfg. Co., Fred, Potomac and De Kalb St., St. Louis, Mo.; 511 West 42nd St., New York City; Philadelphia, Detroit, Pittsburgh, Chicago, Cleveland, Kansas City, San Francisco.

Narragansett Machine Co., Providence, R. I.; 1504 Monadnock Block, Chicago, Ill.; 138 East 44th St., New York City.

Catalog F-15 free, upon request. An indexed and illustrated catalog of gymnasium equipment, including plans for pools and gymnasiums, locker rooms, etc.

The Gymnasium Directors Pocket Book, free on request. Contains manual of first aid, directions for care of apparatus, directory of physical education societies and schools, bibliography of recent books and publications.

Other catalogs free, on request. List contains: gymnasium apparatus, anthropometric apparatus, manual of gymnasium construction, and gymnasium game equipment. Also includes natatorium, spring boards, playground apparatus, steel lockers, shelving, and storage cabinets.

Partridge Co., Horace, 49 Franklin St., Boston, Mass.; 205 St. Claire Ave., Cleveland, Ohio; 5 North Brevard St., Charlotte, N. C.; 577 Main St., Worcester, Mass.

Posture Standards Co., Inc., 1 Madison Ave., New York City. Schematograph. Rental price, \$10.00, F. O. B. factory at Rochester, N. Y.

Machine for posture pictures endorsed by American Posture League.

Rawlings Manufacturing Co., 2307 North Lucas Ave., St. Louis, Mo.; 8 West 37th St., New York City; 717 Market St., San Francisco, Calif.

Catalog on request. Carries athletic goods of all kinds.

Reach, Wright, and Ditson, 408-410 Broadway, New York City; Tulip and Eyre Sts., Philadelphia, Pa.; 615 South Wabash Ave., Chicago, Ill.; 51-53 First St., San Francisco, Calif.

Spalding Bros., A. G., Chicopee, Mass.; 105 Nassau St., and 518 Fifth Ave., New York City.

Offices in the large cities throughout United States. Complete athletic equipment and sport apparel.

Taylor and Co., Alex., 22 East 42nd St., New York City.

Wholesale and retail equipment of all kinds with special guarantee.

Thomas Plant and Co., Ltd., 18 Colonnade, Cheltenham, England.

This English firm makes a specialty of embroidered emblems. When mailed a few at a time in a letter, there is no charge for duty. Write for further information.

Tryon Co., Edward K., 817-819 Arch St., Philadelphia, Pa.

Dealers in sporting and athletic goods.

Wilson-Western Sporting Goods Co., 222 Fourth Ave., New York City; 2037 Powell Ave., Chicago, Ill.; 155 Ninth St., San Francisco, Calif.

Wright and Ditson, 344 Washington St., Boston, Mass.

General athletic equipment. Catalog on request.

See also APPAREL, page 1; ATHLETICS, page 4; CAMPING, page 27; COSTUMES, page 40; FESTIVAL AND PAGEANTS (LIGHTING), page 65.

EQUIPMENT AND SUPPLIES. (Add other materials in space below.)

IX. EXCURSIONS

In all branches of the school program, save that of physical education, great use is being made of excursions and field trips. Too little thought has been given to the educational results of excursions sponsored by the physical education department. Some particularly worthwhile references are listed here and possible excursions suggested. Every situation will have its own range of possibilities in this connection, which should not be overlooked by the teacher of physical education.

The Excursion as a Means of Education. Thomas H. Briggs. Teachers College Record, November 1921. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. Single copy, 35c.

Discussion of the educational worth of the excursion as a school activity. Description of a series of excursions conducted by the Speyer Experimental Junior High School of Teachers College. A stimulating article.

Extra-curricular Activities. H. C. McKown. The Macmillan Co., 60 Fifth Ave., New York City. \$3.00.

Chapter on "Trips and Excursions" is rich in suggestions and help.

Field Work. Charles W. Finley and James S. Tippet. A Lincoln School Publication, Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. 1925. \$1.00.

A record of some of the experiences and impressions gained through six years of field work in the elementary grades and high school. Describes excursions in and about New York City. Suggestions for conducting excursions. Discussion of types of field work; scouts and clubs; number of trips; duration of trips; purpose; work growing out of excursions with illustrations.

Suggested Excursions of interest in the field of Physical Education:

Metropolitan Museum for historic costume.

Class attendance at dance recitals.

Class attendance at opera for Hansel and Gretel, Coque
D'Or, etc.

Visits to near-by gymnasiums, pools, etc.

Attendance upon tennis tournaments, skiing meets, skating
carnivals, field days, play days, etc.

Class hikes.

EXCURSIONS. (Add other materials in space below.)

X. FESTIVALS AND PAGEANTS

The production of festivals and pageants is a major interest in the work of the department of physical education, regardless of the type of school or institution in which the department may be functioning. Materials and references for all types of festivals and pageants, in all lines of production, are listed here under the various headings of this section.

A. ORGANIZATION AND PRODUCTION

American Pageantry. Ralph Davol. Davol Publishing Co., Taunton, Mass. \$2.50.

The psychology and technology of pageantry. Practical and suggestive material listed. An excellent book.

The Book of Play Production. Milton Smith. D. Appleton and Co., 35 West 32nd St., New York City. 1926. \$3.00.

This book covers in detail, and from a practical point of view, the various problems in planning dramatic productions. It deals with the choice of play and players, rehearsals, production, scenery, costuming, make-up, properties, lighting, and business management, i.e., budgeting, tickets, programs, etc.

Choosing a Play. Gertrude E. Johnson. The Century Co., 353 Fourth Ave., New York City. 1920. \$1.35.

Practical suggestions for amateur producing of plays and pageants; includes a list of plays for all types of production, first grade through college, community productions for indoors and outdoors. Excellent bibliography on dramatization, theatre, and acting.

The Civic Theatre. Percy Mackaye. Mitchell Kennerly, Publisher, 489 Park Ave., New York City. \$2.00.

A collection of addresses and magazine articles on the Civic Theatre idea. The keynote of the articles is imagination in recreation. This is the seal and motto of the Civic Theatre.

Community Drama and Pageantry. M. P. Beegle and J. R. Crawford. Yale University Press, New Haven, Conn. \$2.50.

Principles of pageantry and community drama, production, acting, grouping, color, costumes, settings, dance, music, and organization are discussed. The book contains extensive bibliography on the above items, including the names and sources of many pageants.

Dramatics for School and Community. Claude Merton Wise. D. Appleton and Co., 35 West 32nd St., New York City. \$3.00.

A book for student and teacher. Gives a summary of modern tendencies in drama. Information on pageantry, lighting, settings, costumes, and the writing of original festivals. Well illustrated with many line drawings of typical costumes.

Festivals and Plays in Schools and Elsewhere. Percival Chubb. Harper and Brothers, 49 East 33rd St., New York City. \$2.50.

The educational, cultural, and recreational aspects of festivals. Discussion of music in festivals by Peter Dykema.

Folk Festivals and the Foreign Community. Dorothy Spicer. Woman's Press, 600 Lexington Ave., New York City. \$1.50.

A history of the festival and a discussion of its present uses and values; four seasonal festivals outlined.

How to Produce Amateur Plays (New Edition). Barrett Clark. Little, Brown and Co., 354 Fourth Ave., New York City. \$2.00.

An excellent guide for teachers who are interested in play production. This handbook shows—by means of numerous diagrams and cuts, together with concrete examples—how plays can be produced in an inexpensive but artistic and effective manner.

Contents: Choosing the Play; Rehearsing (three chapters); Organization; Dramatics in the School; Choosing the Cast; The Stage; Lighting; Copyright and Royalty; Scenery and Costumes; List of Best Amateur Plays; Make-up.

How to Produce Plays and Pageants. Mary M. Russell. George H. Doran Co., 244 Madison Ave., New York City. \$1.50.

A guide to the preparation and production of plays and pageants. Emphasis is placed on meeting the difficulties involved in such activities.

Process of Play Production. A book for non-professional theater work. Allen Crafton and Jessica Royer. F. S. Crofts and Co., 66 Fifth Ave., New York City. 1926. \$2.25.

Book on acting and the techniques for the amateur producer and performer. Well organized.

Producing in Little Theatres. C. Stratton. Henry Holt and Co., 1 Park Ave., New York City. \$2.90.

One of the best recent books on amateur dramatics; contains a wealth of material on scenery, costumes, etc. The illustrations and chapter on rehearsing are excellent. The treatment is modern. Includes a list of 200 plays suitable for amateurs.

School Theatres. Roy Mitchell. Brentano's, 1 West 47th St., New York City. \$1.75.

An outline of theory and practice of play production. Detailed notes on costume, make-up, lighting, and choice of play.

Shakespeare for Community Players. Roy Mitchell. E. P. Dutton and Co., 681 Fifth Ave., New York City. 1919. \$2.50.

A book containing excellent suggestions for productions of the pageant type. Especially valuable for suggestions on the building of an outdoor stage.

Suggestions for a Community-wide Program of Dramatic Activities. Prepared by The Playground and Recreation Association of America. The Century Co., 353 Fourth Ave., New York City. 1926. \$2.00.

Presents a good organization for community drama.

Theatre Magazine. Theatre Magazine Publishing Co., 2 West 45th St., New York City. Subscription, \$5.00; single copies, 35c to 50c.

This magazine will keep one in touch with the modern movements in the theatre, Little Theatres, amateur dramatics in schools, colleges, and rural communities. Fine illustrations. Published monthly.

B. FESTIVAL MATERIALS

A Collection of English Miracle Plays. William Marriott. In New York Public Library, Fifth Ave. and 42nd St., New York City.

Miracle and mystery plays containing 10 dramas from the Chester, Coventry, and Townley series with two of later date. Includes a historical view of this type of play.

The Conflict. Gertrude Colby. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.50.

A health masque in pantomime; an allegory between forces of "Ignorance" and "Enlightenment."

Drama Book Shop, Inc., 29 West 47th St., New York City. Free bulletins.

This shop is under the auspices of the Drama League of New York. It publishes monthly a folder giving current books on the theatre, lists of long plays and one act plays, with the publishers and prices. Excellent material for keeping in touch with the best current productions. Ask to be placed on mailing list.

Egyptian Photo-plays. Effie Seachrest. Rand McNally and Co., 270 Madison Ave., New York City. 1921. 90c.

A collection of four Egyptian plays; profusely and delightfully illustrated with a well-chosen bibliography on Egyptian history, manners, and customs, for junior and senior high schools and colleges.

An English May Festival. Linwood Taft. A. S. Barnes and Co., 67 West 44th St., New York City. 50c.

An English May Festival of the time of Queen Elizabeth, containing much action and pantomime. This festival is published as Section No. 212 of the Physical Education Handbook.

The Festival Book. Jeanette E. G. Lincoln. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.40.

Material on May Day customs, costumes, and dances with music.

Folk Songs of Many Peoples. Compiled by Florence H. Botsford. Woman's Press, 600 Lexington Ave., New York City. 2 vols. \$2.75.

A collection of 145 folk songs of Bulgaria, Finland, Czechoslovakia, Russia, and other countries, useful in festival work.

Greek Athletics, Sports and Festivals. Percy Gardner. G. P. Putnam's Sons, 2 West 45th St., New York City. Out of print. Consult in a library.

Chapters in Greek history; findings of historic interest in recent excavations in Greece and Asia Minor.

Greek Photo-plays. Effie Seachrest. Rand McNally and Co., 270 Madison Ave., New York City. 1916. 75c.

Five plays, based on Greek mythology, profusely illustrated; suitable for elementary school use.

Indian Ceremonial and Sports. Alice Fletcher. C. C. Birchard and Co., 221 Columbus Ave., Boston, Mass. 1915. \$1.50.

Contains ceremonies, rituals, songs, games, and dances with native music.

Indian Story and Song. Alice Fletcher. Small, Maynard and Co., 41 Mt. Vernon St., Boston, Mass. 1900. \$1.50.

The work of Alice Fletcher is as authentic and complete as any available material on the American Indian. History, tradition, customs, beliefs, stories, songs and dances are all faithfully and skillfully presented in her books.

International Guide to Material: Descriptive of Many Lands and Peoples. Educational Publications, No. 4. Compiled by the Educational Dept., The League of Nations Non-Partisan Association, Inc., 6 East 39th St., New York City. 5c.

A list of source materials on books, plays, and pageants, folk songs and folk dances, games, pictures, posters, maps, periodicals, material for leaders; the work of the organization.

Palmer Co., 120 Boylston St., Boston, Mass. Illustrated catalog, 15c.

Kempton Indian Pictures (Hiawatha). Thirty superb pictures illustrating the Hiawatha story as presented by the Ojibway Indians. Made from photographs of real Indians. 10"x12", with white mat; 30 pictures, \$30.00. Three sample pictures will be sent for 10c in stamps.

Ritual and Dramatized Folk Ways. E. R. Jasspon. The Century Co., 353 Fourth Ave., New York City. \$2.50.

A delightful book concerning the use of ritual and the place of dramatic element in the life of the people. Suggestive material for festivals. Music and sketches of scenes.

Shakespearean Festival and Exhibit. Teachers College Record, March 1916. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. Out of print. Consult in a library.

Contains the text of a festival given by the students of Teachers College to celebrate the Shakespeare Tercentenary, illustrated by

scenes from the play. Also a good article on "Producing the Festival," which follows the text of the play, discussing organization, staging, decoration, costumes, and festival hats.

"The Shakespeare Exhibit" describes the recitals and open classes—coöperation between music and speech; Elizabethan furniture and textile designs; color printing for the festival; school production of Shakespeare's plays.

An interesting article follows on Elizabethan hospitality, with recipes used during that age. There is also an extended bibliography on Shakespeare and his time.

Special Holiday Material. Playground and Recreation Association of America, 315 Fourth Ave., New York City.

The following titles include material for programs, suggestions for festivals and pageants, plays, music, etc., for holiday observance:

"Suggestions for an Arbor Day Ceremonial." 15c.

"Lest We Forget," a program for Armistice Day. 10c.

"The Christmas Book." 35c.

"List of Christmas Plays and Music." 35c.

"Easter Suggestions." 10c.

"The Flag of the Free," a program for Independence Day. 15c.

"Festival of Freedom." 10c.

"Hallowe'en Suggestions." 15c.

"Suggestions for May Day." 10c.

"May Day in the Schools." 10c.

"Thanksgiving Suggestions." 25c.

"Valentine's Day." 10c.

"An Inauguration Pageant for Washington's Birthday," 12c.

C. COSTUMES AND MAKE-UP

The Art of Make-up. Helena Chalmers. D. Appleton and Co., 35 West 32nd St., New York City. \$2.00.

The art of make-up demands real skill; this book brings its technique to the actor and play producer, both amateur and professional. Descriptions of theatrical, motion picture, and minstrel show make-up are given. The book discusses make-up materials and application for all purposes.

Costumes and Scenery for Amateurs. Constance D. Mackay. Henry Holt and Co., 1 Park Ave., New York City. \$1.75.

This book gives a series of costumes and scene sets that can be easily copied for plays, masques, festivals, and pageants. Costumes for children's plays are especially pictured. Ingenious suggestions for using simple and cheap materials are given.

Dealers in Costumes

The following dealers have been recommended by teachers who have used their goods:

Batz and Vogt, 403 Bridge St., Brooklyn, N. Y.

Inexpensive.

Bayer-Schumacher Co., 69 West 46th St., New York City.

Ranks as one of the best.

Oscar Berner, 107 West 46th St., New York City.

Wigs, make-up boxes, etc. Well recommended.

Eaves Costume Co., 151 West 46th St., New York City.

Well recommended.

Empire Costume Co., Oklahoma City, Okla.

Hazel Forbes, 1124 West 51st St., Oklahoma City, Okla.

Freisinger, Madame E. S., 244 West 42nd St., New York City.

High class; expensive but correct.

Harelson Costume Co., Kansas City, Kans.

Krebs and Co., 146 Dudley St., Roxbury, Mass.

Also handles stage properties.

Schmidt Costume and Wig Shop, 920 North Clarke St., St. Louis, Mo.

Tams Costume Co., 318 West 46th St., New York City.

Less distinction, but a large assortment.

Western Costume Co., 10th St. and Broadway, Los Angeles, Calif.

Make-up Supplies

Make-up supplies can be obtained from any local drug store. A list of companies from which these materials can be obtained in large quantities follows:

Fredrickson's Hair Co., Los Angeles, Calif.

Hess Co., Rochester, N. Y.

Hirschberg Co., Baltimore, Md.

George W. Luft Co., Washington Ave., New York City.

Charles Meyer, 11 East 12th St., New York City.

M. Stein Cosmetic Co., 430 Broome St., New York City.

L. E. Vincent, 1325 Main St., Kansas City, Mo.

See also **COSTUMES**, page 40.

D. LIGHTING AND SCENERY

Bulletins on Mazda Lamps and Lighting. Edison Lamp Works of General Electric Co., Harrison, N. J. Free.

These bulletins are sent free "to those interested in particular subjects. A mailing list is maintained of individuals following lighting work." The most valuable bulletins for teachers of physical education are:

L D 101 B. "Effect of Maintenance and Color of Surroundings on Resultant Illumination." 28 pages, 10 illustrations. Discussion of reflection factors of different finishes.

L D 109 B. "Lighting of Schools and Gymnasiums." 28 pages, 16 illustrations. Could be used as a basis for project on survey of school lighting system.

L D 146 A. "Stage Lighting." 48 pages, 29 illustrations. Historical evolution of stage lighting and modern apparatus. Light and color on the stage.

L. D. 155. "Illumination Terms." 56 pages. Explains illumination terms by use of pictures.

L D OA. "Index of Information Contained in Lighting Data Bulletins." 16 pages. Lists in alphabetical order the principal subjects discussed. Gives page and bulletin where data may be found.

Catalog of M. Kliegl Bros., 321 West 50th St., New York City. Free.

A publication of 128 pages showing interesting details of stage lighting. Kliegl Brothers will gladly supply enough for a class in Plays and Festivals.

Lights for Every Purpose. Display Stage Lighting Co., Inc., 410 West 47th St., New York City. Free on request.

A catalog of 110 pages, containing interesting pictures showing the range of apparatus and equipment used in theatrical and stage lighting—floods and gelatines.

Curtis Lighting, Inc., 1110 West Jackson Blvd., Chicago, Ill. Free.

This company has a number of folders dealing with the lighting of theatres, floodlighting, etc. These folders contain many pictures and suggestions of value.

Dennison Manufacturing Co., 220 Fifth Ave., New York City. Stores and Service Bureaus in Boston, Philadelphia, and Chicago.

Paper costumes. Catalogs describing these can be obtained from any Dennison store. Application to a neighboring service bureau will bring a representative to suggest schemes and costumes, free of charge. An exhibit of paper scenery may be seen at 220 Fifth Ave., New York City.

Fox Color Co., Inc., 240 East 136th St., New York City. Catalog of school scenery free.

Dealers in scenic artists' materials; calcimines and water paints for scenery painting. A special school catalog on request.

Secrets of Scene Painting and Stage Effects. Van Dyke Browne. E. P. Dutton and Co., 681 Fifth Ave., New York City. \$1.25.

A very fine handbook for the amateur making his own equipment. Some designs are old and unusable, but the book is rich in practical suggestions.

See also EQUIPMENT AND SUPPLIES, page 59.

E. LISTS OF PLAYS AND MUSIC

Bibliography. Section 229, Book List, published by The American Physical Education Association, Box G, Highland Station, Springfield, Mass. Entire book list free to members; to non-members, 50c.

List of plays and pageants.

Librettos of the Operas. The complete story of the operas in the form in which they are presented may be purchased from: Frederick Rullman, Inc., 17 East 42nd St., New York City. 35c.

Source material full of suggestions for pageants and festivals.

A List of Music for Plays and Pageants. Roland Holt. D. Appleton and Co., 35 West 32nd St., New York City. \$1.00.

A book of practical advice on how to use music with plays, masques, and pageants. It contains lists of selections appropriate for obtaining desired effects. A most valuable book.

Lists of Plays. Bureau of Educational Dramatics. Community Drama Service, 315 Fourth Ave., New York City.

Upon application, lists of plays for indoor and outdoor production with short descriptions of each will be furnished.

Victrola Book of the Opera. F. S. Rous. Victor Talking Machine Co., Camden, N. J. \$1.50.

This book gives a synopsis of all the important operas and lists the victrola records which have been made from the operas. Valuable as a source book for festival material; especially fine for operas based on themes taken from literature.

The Woman's Press, 600 Lexington Ave., New York City. Catalog free.

The descriptive catalog of publications for the Y. W. C. A.

1. Plays and Pageants. Interesting material.
2. Program Series. Free. Programs for special occasions.

FESTIVALS AND PAGEANTS. (Add other materials in space below.)

XI. FIRST AID

No department of physical education is complete without its first aid equipment; similarly, no teacher of physical education is prepared to teach unless he has had definite training in first aid. Without a section devoted to literature and material concerned with first aid, this handbook for teachers would be sadly lacking. The material listed consists, largely, of free materials, easily available, and valuable for use in schools and institutional work.

Artificial Respiration. National Safety Council, 108 East Ohio St., Chicago, Ill. Free.

An illustrated leaflet on the prone pressure method. "Don't wait for an accident. Practice on a friend. Let him practice on you."

Eye Accidents in the Industries. National Committee for the Prevention of Blindness, 370 Seventh Ave., New York City. 50c.

Set of four posters.

First Aid. Prudential Insurance Co., Newark, N. J. Free.

Illustrated guidebook on bandaging and life-saving.

First Aid and Relief. Charles Lynch. American National Red Cross Book. American Red Cross, Washington, D. C. \$1.00; paper bound, 60c.

A First Aid manual of instruction.

First Aid Chart. Johnson and Johnson, New Brunswick, N. J. \$1.00.

Valuable instructions to be followed in case of emergency. Size, 27"x44".

First Aid in the Home. Metropolitan Life Insurance, 1 Madison Ave., New York City. Free; each teacher is allowed 5 copies.

Emphasizes the importance of prevention; gives specific instructions and is well illustrated.

First-Aid-to-the-Injured Handbook. Society for Instruction in First-Aid-to-the-Injured, 105 East 22nd St., New York City. Free to teachers of hygiene.

A complete book, including instructions on common ailments as well as injuries.

Home Book on Sanitation. Merck and Co., 145 Front St., New York City. Free.

A booklet on the uses of disinfectants about the household and with domestic animals.

Johnson and Johnson, New Brunswick, N. J.

Booklet of First Aid instruction. Further information on request.

Life Saving Methods. The American National Red Cross, Washington, D. C. Free.

Discussion of swimming strokes, life saving, artificial respiration and general safety measures. Includes questions and answers for use in life saving examinations.

A Manual of Bandaging. A. D. Whiting. W. B. Saunders Co., West Washington Square, Philadelphia, Pa. 1927. \$1.75.

A reference book for use of teachers.

Practical Bandaging. E. L. Eliason. J. B. Lippincott Co., 227 East Washington Square, Philadelphia, Pa. 1924. \$1.75.

Manual of bandaging, including adhesive and plaster of paris dressings.

Scout Emergency Units. Catalog No. 3279. Boy Scouts of America, 2 Park Ave., New York City. Free.

Directions for contests and requirements for First Aid Merit Badge.

What to Do for Ailments, Accidents, and Emergencies. Norwich Pharmacal Co., Norwich, N. Y. Free.

This little booklet gives practical suggestions for the treatment of burns, poison ivy, blisters, etc. The company will also send small samples of its products free, upon request.

FIRST AID. (Add other materials in space below.)

XII. HEALTH AND HYGIENE

The material found in this chapter is general in nature and has been assembled for the use of the teacher who, without specialization, is called upon to do some health work in addition to physical education activities. Much of the material listed is free, and all will be found not only interesting, but definitely useful.

A. GENERAL REFERENCES

Art in Health. Metropolitan Life Insurance Co., 1 Madison Ave., New York City. Free.

A small booklet of reproductions of famous paintings which reveal health, with a discussion of each.

Dramatics for Health. Education Series No. 13. Superintendent of Documents, Washington, D. C. 5c.

Suggestions for health plays.

Dramatizing Child Health. Grace T. Hallock, for the American Child Health Association, 370 Seventh Ave., New York City. \$3.00.

Chapters on writing, producing; splendid bibliography and lists of plays.

Forty Notifiable Diseases. Hiram Byrd. World Book Co., Yonkers, N. Y. 60c.

"Sets forth those facts about communicable diseases that should be a part of the information possessed by every citizen. The language is simple and the principles those that a layman can understand."

Getting Well and Staying Well. John Potts, M.D. C. V. Mosby Co., 3523 Pine St., St. Louis, Mo. \$2.00.

This book, intended for the general reader, is valuable as a reference book in the high school library.

Good Neighbors. Mary S. Haviland. J. B. Lippincott and Co., 227 East Washington Square, Philadelphia, Pa. 96c.

Third in series of Modern Physiology, Hygiene, and Health. This book is a study in vocational and community hygiene. Text

for high school use with illustrations, summarizing through questions at conclusion of each chapter.

Health Training in Schools. Theresa Dansdill. National Tuberculosis Association, 370 Seventh Ave., New York City. 1926. \$1.00.

A collection of games, plays, stories, and projects for health teaching in schools and outline for a Health Crusade. A handbook for teachers and health workers.

Health Behavior. Thomas D. Wood and Marion Olive Lerigo. Public School Publishing Co., Bloomington, Ill. \$2.00.

A manual of graded standards of habits, attitudes, and knowledge conducive to health, personality, home, and community.

Health and Happiness Series. S. W. Newmayer and S. G. Broome. American Book Co., 80 Lexington Ave., New York City.

Books in the series are:

"The Playroad to Health." 144 pp. 64c.

"Health Habits." 207 pp. 72c.

"The Way to Keep Well." 264 pp. 84c.

"The Human Body and Its Care." 314 pp. 96c.

A Health Education Procedure. Kathleen Wilkinson. The National Tuberculosis Association, 370 Seventh Ave., New York City. 1926. \$1.00.

The vision, scope, and administration of health education; a book for teachers. Includes rating cards for health rating and for health survey.

Health Knowledge Test. A. I. Gates and Ruth Strang. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$3.00 for 100.

A standardized test on health knowledge.

Health Through Prevention and Control of Disease. Thomas D. Wood and Hugh G. Rowell. World Book Co., Yonkers-on-Hudson, N. Y. 1925. \$1.00.

A summary of prevention and control of contagious diseases in schools.

How to Live. Irving Fisher and Eugene Lyman Fisk. Life Extension Institute, 25 West 43rd St., New York City. \$2.00.

Ventilation, food, exercises, colds, eugenics, and many other topics, treated from the standpoint of disease prevention and health based on modern science.

Hygiene and Sanitation. Jesse F. Williams. W. B. Saunders Co., West Washington Square, Philadelphia, Pa. 1927. \$2.00.

A valuable text and reference book for the teacher's use.

The Laws of Health and How to Teach Them. C. E.-A. Winslow and Pauline Williamson. Charles E. Merrill Co., 381 Fourth Ave., New York City. \$1.60.

Outlines for the teacher of a course of study from first grade through senior high school, with many chapters on teaching special health topics. Good chapter on mental hygiene.

A List of Eugenics Lecturers. American Eugenics Society, 185 Church St., New Haven, Conn. Free.

Arranged by states, giving address of lecturer, title of lectures, fees, etc.

The Most Wonderful House in the World. Mary S. Haviland. J. B. Lippincott Co., 227 East Washington Square, Philadelphia, Pa. 1921. \$1.00; school edition, 80c.

A book similar in organization to "The Play House"; planned for younger children. Excellent for the teacher's book shelf.

Nature Study, Health Education. Alice Jean Patterson. McKnight and McKnight, Normal, Ill.

A series for Grades 4, 5, and 6; text and notebook for each grade. Various prices.

Personal and Community Health. C. E. Turner. C. V. Mosby Co., 3523 Pine St., St. Louis, Mo. 1925. \$2.50.

Textbook for school use.

Personal Hygiene, Applied. Jesse F. Williams. W. B. Saunders Co., West Washington Square, Philadelphia, Pa. 1925. \$2.00.

A practical discussion from a broad point of view, suitable for high schools and colleges.

The Play House, Home Hygiene. Mary S. Haviland. J. B. Lippincott Co., 227 East Washington Square, Philadelphia, Pa. 1921. \$1.00.

Textbook for junior high school use. Delightful reading; questions and summary for the teacher.

Sex Education. M. A. Bigelow. The Macmillan Co., 60 Fifth Ave., New York City. 1921. \$1.60.

Deals with sex in a constructive, educational manner.

Source Book in Health and Physical Education. Thomas D. Wood and Clifford L. Brownell. The Macmillan Co., 60 Fifth Ave., New York City. 1925. \$2.50.

A comprehensive book for teachers and students concerned with source material in health and physical education.

Subject Matter in Health Education. Ruth Strang. Bureau of Publication, Teachers College, Columbia University, 525 West 120th St., New York City. 1926. Out of print. Consult in a library.

A tabulation of material used in the field, with an evaluation of conclusions and suggestions for use of data. Very comprehensive and helpful to any teacher of health education.

What Girls Can Do. Ruth Wanger. Henry Holt and Co., 1 Park Ave., New York City. \$1.28.

Includes an excellent section on the professions that have to do with health.

What Is a Nervous Breakdown? National Committee for Mental Hygiene, 370 Seventh Ave., New York City.

One of a number of booklets published by the above committee. Write for list and prices.

B. CHARTS AND BULLETINS

Anatomical Plates of the Human Body. Rand McNally and Co., 1 West 47th St., New York City.

Useful in any hygiene or biology laboratory. Send for price list.

Food Chart. Educational Dept., Postum Co., 250 Park Ave., New York City. Free.

Very complete tables of foods, giving the tissue building, regulatory and energy factors in each.

Food and Health. Kellogg Co., Battle Creek, Mich. Free.

Food and training of children and the place of cereals in meal planning.

Milk Made the Difference. National Dairy Council, 307 North Michigan Ave., Chicago, Ill. Each, 12c.

Posters on rats, dogs, pigs, chickens, showing the effects of a milk diet.

Nutrition Flyers. New York Association for Improving the Condition of the Poor, 105 East 22nd St., New York City. Set of 12, 20c.

Small sheets suitable for posting on the bulletin board, giving outlines, health rules, etc. This society also publishes larger posters and many booklets on health topics.

The Bones of the Foot. Card No. 1. The Selby Shoe Co., Portsmouth, Ohio. Free.

Card 9"x11". Each bone numbered but not labeled. Very useful in both anatomy and hygiene classes.

Denticuring. International Dental Health Foundation, 755 Park Ave., New York City. Free.

Other charts and motion picture ("Say It With Pearls") are also available from this office.

Detroit Tuberculosis Society, 316 Jefferson Ave., East Detroit, Mich. 80c.

Set of four posters on cleanliness, sleep, posture, and germs, in seven colors; 22"x18". (Free in Wayne County, Mich.) A very good set of posters.

Foot Health. Cantilever Corporation, 410 Willoughby Ave., Brooklyn, N. Y. Free.

Charts, 18"x24". In colors.

No. 1. "Muscular Structure."

No. 2. "Points of Pain Due to Flat Feet."

No. 3. "Normal Arch."

No. 4. "Effect of High Heels."

Nos. 5 and 6. "Well-fitting Shoes."

Excellent for showing anatomical structure.

Foot Health. George E. Keith Co., Campello, Brockton, Mass.
Bulletin free.

Correct principles in footwear.

Health Charts. American Museum of Natural History, 77th St. and Central Park West, New York City.

Charts lent to New York City schools, without charge; these charts cover many topics.

The Human Factory. Omin Co., 141 Sixth St., Long Island City, N. Y. \$2.00 for large colored chart. Small replicas, free, in quantities.

A highly figurative representation of the physiological processes compared to common machinery.

Hygiene Charts. The Woman's Press, 600 Lexington Ave., New York City.

Include foot health, posture, etc. Write for prices.

Joint Committee on Health Problems in Education of the National Education Association and American Medical Association. Address: Dr. Thomas D. Wood, 525 West 120th St., New York City.

Set of 58 charts on health problems in education, 22"x28". \$7.00 per set; mounted, \$9.00.

To Keep Sickness Away. The Gorgas Memorial Institute, 1331 G St., N. W., Washington, D. C. Free.

Two posters urging annual medical examination.

Kolynos Co., New Haven, Conn.

Set of 12 charts on oral hygiene, 22"x28". \$3.00. One small chart free.

The Mysterious Thirty-Five Feet. Health Products Corporation, 393 Seventh Ave., New York City. Free.

This little booklet contains a discussion of the human alimentary canal and the danger of constipation.

National Education Association, 1201 Sixteenth St., N. W., Washington, D. C. 25c.

Charts, each 22"x28". Described in booklet, "Health Chart Report."

Nervous and Mental Diseases. Peacock Chemical Co., St. Louis, Mo. Free.

Contains excellent diagrams of the nervous system. The book, though somewhat technical, is good for reference work.

The Shoe in Romance and History. United Shoe Machinery Co., Boston, Mass. Free.

A beautifully illustrated brochure, showing many strange forms of shoes.

Your Mouth and Your Health. Educational Bureau of Pyorrhea Prevention, Freeville, N. Y. Free.

Set of 14 slides, accompanied by a lecture. Write for prospectus.

C. MOTION PICTURES

Along the Milky Way. Borden's Farm Products Co., 110 Hudson St., New York City. Free.

The story of milk and its products.

Behind the Breakfast Plate. Homestead Film, 732 South Wabash Ave., Chicago, Ill.; United States Dept. of Agriculture, Office of Motion Pictures, Washington, D. C. Free.

2 reels. The story of bacon, from the pastures to the breakfast table.

Bending the Twig. Church and School Film Exchange, 315 Polk Bldg., Des Moines, Iowa; Edited Pictures System, Inc., 130 West 46th St., New York City; Pinkney Film Service Co., 1028 Forbes St., Pittsburgh, Pa.; Spiro Film Corporation, 161 Harris Ave., Long Island City, N. Y. Rent.

1 reel. "Designed to impress upon the pupil audience the importance of correct habits of daily living and personal hygiene."

Blood Circulation. H. O. Davis, 106 South Hudson St., Oklahoma City, Okla.; Edited Pictures System, Inc., 130 West 46th St., New York City. Rent.

1 reel. "Microscopic study of embryo of egg and beating of turtle's heart."

Drinking Health. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City; or 1111 Center St., Chicago, Ill. Free.

2 reels. Showing the necessity of care of drinking water, especially in the summer time. Emphasizes need for sanitary drinking cups.

Foot Follies. Edited Pictures System, 130 West 46th St., New York City. Rent.

2 reels. Especially for girls. Shows the effects of high heels, tight shoes, etc.

General Personal Hygiene. Bray Productions, Inc., 729 Seventh Ave., New York City. Rent.

1 reel. Reel 12 of "Science of Life" series. General standards of health for the individual.

The Gift of Life. American Social Hygiene Association, 370 Fifth Ave., New York City. Free.

This picture shows the various methods of reproduction in plants and animals from very simple forms of life up to the chick and the mammal.

Good Teeth, Good Health. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City; or 1111 Center St., Chicago, Ill. Free.

2 reels. "Mother takes children to zoo as an object lesson in care of teeth. Doctor shows proper methods."

Hands Versus Feet. Bray Productions, Inc., 729 Seventh Ave., New York City. Rent.

1 reel. "Comparison of use of hands and feet by man and animals, monkey, lion, bear, kangaroo, sea lion, and others."

Health and Hygiene. Neighborhood Motion Picture Service, 131 West 42nd St., New York City. Rent.

Series of 9 one-reel lessons on "Armies of Disease and Armies of Health"; "Disease Carriers"; "Health Habits, General Diet, Teeth, Posture, Feet, Exercise, Eyes"; "Little Brothers and Sisters."

How the Fires of the Body Are Fed. Pathé Exchange, 35 West 45th St., New York City. Rent.

1 reel. A motion picture study of the mechanical processes of digestion, including X-ray photographs of the stomach. Compares the stoking of a ship with the feeding of that most intricate machine, the human body.

How Science Aids in Controlling Infectious Diseases. E. R. Squibb and Sons, 80 Beekman St., New York City. Free.

Method employed in manufacturing and standardizing biologic products, antiseptics, serums, etc.

How We Breathe. Bray Productions, Inc., Dept. of Education and Public Service, 729 Seventh Ave., New York City; Edited Pictures System, Inc., 130 West 46th St., New York City; Pilgrim Photoplay Exchange, 804 South Wabash Ave., Chicago, Ill. Rent.

½ reel. "Lungs and how they function in purifying blood; animation."

The Human Body. Bray Productions, Inc., 729 Seventh Ave., New York City; Edited Pictures System, Inc., 130 West 46th St., New York City. Rent.

5 reels. "Dealing with the development, structure, function, and hygiene of the human body. Blood Vessels and Their Functions; Digestive Tract; The Heart, and How It Works; Human Development; Respiratory and Urinary Systems."

The Human Machine. National Motion Picture Bureau, 25 Pemberton Square, Boston, Mass. Rent.

1 reel. "How to care for the human mechanism."

Inside Out. Picture Service Corporation, 71 West 23rd St., New York City; 217 West Illinois St., Chicago, Ill.; Y. M. C. A. Motion Pictures Bureau, 120 West 41st St., New York City; 1111 Center St., Chicago, Ill. Free.

1 reel. "Story of digestion done in animated diagrams. An aid to a clearer understanding of the digestive process."

On the Trail of the Germ. National Motion Pictures Co., Indianapolis, Ind. Rent.

1 reel. "Showing how the source of tuberculosis is traced and presenting diagnosis and treatment of the disease."

Our Bone Relations. Bray Productions, Inc., 729 Seventh Ave., New York City. Rent.

½ reel. "Similarity between bony structure in man and in some animals."

Posture. Church Film Co., 1108 Boylston St., Boston, Mass. U. S. Dept. of Labor, Children's Bureau, Washington, D. C. Free from the latter source.

2 reels. Made for physicians and physical educators who wish to show posture films. Reels may be shown separately.

The Price of Human Lives. National Motion Picture Co., Indianapolis, Ind. Rent.

1 reel. Fake consumption cures contrasted with proper treatment for tuberculosis.

The Science of Life. Bray Productions, Inc., 729 Seventh Ave., New York City; Church Film Co., 1108 Boylston St., Boston, Mass. Rent or sell.

12 one-reel subjects. Made under the supervision of the Surgeon General, United States Public Health Service. Covers general biology, communicable diseases, and personal hygiene. Series divided into three parts.

Part I deals with general biology, the titles being as follows: Reel 1, "Protoplasm, the Beginning of Life"; Reel 2, "Reproduction in the Lower Forms of Life"; Reel 3, "Reproduction in Higher Forms of Life"; and Reel 4, "Interdependence of Living Things."

Part II. Treats of communicable diseases.

Part III. Deals with personal and general hygiene.

Sunshine from the Sea. E. R. Squibb and Sons, 80 Beekman St., New York City. Free.

Traces the production, uses, and importance of cod-liver oil.

Working for Dear Life. Metropolitan Life Insurance Co., 1 Madison Ave., New York City. Free.

1 reel. "Tells how to add years to your life."

Yeast for Health. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City; 1111 Center St., Chicago, Ill. Free.

2 reels. "Human interest story rendered instructive by means of X-ray photography of stomach and intestinal tract."

Yours for Health. Y. M. C. A. Motion Picture Bureau, 120 West 41st St., New York City; 1111 Center St., Chicago, Ill. Free.

2 reels. "The origin of sanitation, development through the ages, and meaning to mankind to-day."

See also BULLETINS, PAMPHLETS, OUTLINES, AND HANDBOOKS (HEALTH AND EUGENICS), page 20; PICTURES, POSTERS, CHARTS, AND SLIDES, page 94.

HEALTH AND HYGIENE. (Add other materials in space below.)

XIII. MUSIC

It would be of little practical value simply to list all the musical compositions helpful to teachers of physical education, and it would be almost impossible to compile such a list. The references given here have to do with the better understanding and appreciation of music, not only from the standpoint of form and structure but from the standpoint of the use of music in physical education activities.

The recent work done by the Victor Talking Machine Company and the Columbia Phonograph Company in the making of educational records deserves special attention. Selections for use in the study of appreciation, as well as in rhythm and dancing, have been delightfully orchestrated and recorded, so that the more recent record productions are most useful in school situations.

A. APPRECIATION

Epochs in Musical Progress. Clarence G. Hamilton. Oliver Ditson Co., 179 Tremont St., Boston, Mass. \$1.50.

A comprehensive little book of musical history dealing with the various stages in a delightful, conversational manner, planned to help the layman to a better understanding and appreciation of music. Illustrated.

From Song to Symphony. Daniel Gregory Mason. Oliver Ditson Co., 179 Tremont St., Boston, Mass. \$1.50.

A manual of music appreciation dealing with the folk song, the art of song, orchestra music, the opera, and the use of records for appreciation. Contains an excellent bibliography.

The Fundamentals of Music. Karl W. Gehrkens. Oliver Ditson Co., 179 Tremont St., Boston, Mass. \$2.00.

A manual of music form and progression.

How to Listen to Music. Henry Edward Krehbiel. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1927. \$1.75.

Hints and suggestions to untaught lovers of music.

How Music Grew. Marion Bauer and Ethel Peyser. G. P. Putnam's Sons, 2 West 45th St., New York City. Third Edition. 1927. \$4.50.

Beginnings of music to present day. Chapter IX, "Folk Music"; Chapter X, "National Portraits in Folk Music." Characteristics of folk music and background for folk dance music explained.

The Influence of Music on Behavior. Charles M. Diserens. Princeton University Press, Princeton, N. J. 1926. \$2.50.

A psychological study of the relation of music to behavior. Includes historical report of experimental studies of reactions to musical stimuli. Physical education teachers interested in music and rhythm tests will find the chapters dealing with these subjects very helpful.

Lessons in Music Form. Percy Goetschius. Oliver Ditson Co., 179 Tremont St., Boston, Mass. \$1.50.

A manual of analysis of all the structural factors and designs employed in musical composition, so written that it is a valuable aid to those not especially trained in music.

Librettos of the Operas. Frederick Rullman, Inc., 17 East 42nd St., New York City. 35c.

Publish the complete story of the operas in the form in which they are presented. Very valuable source material.

Music Appreciation for Little Children. Victor Talking Machine Co., Camden, N. J. Copyright, 1920. Free.

Discussion of need of music appreciation and music education. Chapters on rhythm and song. List of victrola records for music appreciation, rhythms and dramatic expression, and stories to accompany use of records. History of Handel, Mozart, and Mendelssohn.

The Philosophy of Music. Halbert Hains Britan. Longmans, Green and Co., 55 Fifth Ave., New York City. 1911. \$1.50.

Part II deals with psychological analysis of the elements of music, i.e., rhythm, melody, harmony, and musical expression. Part III deals with the universality, content, criticism, and educational value of music for dancing and rhythm. Subtitle: "A Comparative Investigation into the Principles of Musical Aesthetics."

The Spirit of Music; How to Find It and How to Share It. Edward Dickinson. Charles Scribner's Sons, 597 Fifth Ave., New York City. 1925. \$2.00.

A book which will deepen the appreciation and understanding of teachers of dance and rhythm. The first half of the book is de-

voted to finding the spirit of music; the second, to a scholarly discussion of creative expression.

Teaching Music from an Appreciative Basis. Louis Mohler. C. C. Birchard and Co., 221 Columbus Ave., Boston, Mass. 1927. \$1.90.

List of phonograph records. Composers and their music. Musical stories; music form; rhythm and form; creative activity and music.

B. RECORDS

Columbia Records. Chambers Music Co., Inc., 77 Chambers St., New York City. Catalogs free.

This firm will furnish a list of the educational records made by the Columbia Phonograph Co.

The Columbia Phonograph Co., Inc., 1819 Broadway, New York City, will send a bulletin on "Correlating Music and Literature." This bulletin is of value in planning festivals and pageants.

Drysdale Record Service, Harvard Square, Cambridge, Mass.

Records included in the Ten Dollar List and all other educational records furnished without delay.

Ten Dollar List of Victrola Records. Louis Mohler. Procured from the Dept. of Physical Education, Teachers College, Columbia University, New York City. Free.

Mimeographed copies of lists of records for music appreciation and rhythm work.

Victrola Book of the Opera. F. S. Rous. Victor Talking Machine Co., Camden, N. J. \$1.50.

Synopses of all important operas and list of victrola records which have been made from operas.

Victrola Records. Victor Talking Machine Co., Educational Dept., Camden, N. J.

The following free booklets will be sent on request:

1. Educational Catalog of Victor Records for Home, School, and College.
2. Graded list of Victrola Records, with prices.
3. Addenda of new Orthophonic Recordings to the two catalogs mentioned above.

C. MUSIC PUBLISHERS

Materials can be obtained from the following music publishers :

Birchard and Co., C. C., 221 Columbus Ave., Boston, Mass.

Ditson and Co., 8-12 East 34th St., Boston, Mass.

Ditson Co., Oliver, 179 Tremont St., Boston, Mass.

Fischer, Carl, 56 Cooper Square, New York City.

Garland, Ruth, 435 West 119th St., New York City.

Gray and Co., H. W., 159 East 48th St., New York City.

Pond and Co., Wm. A., 18 West 37th St., New York City.

Presser Co., Theo., Philadelphia, Pa.

Schirmer, Inc., G., 3 East 43rd St., New York City.

Summy, Clayton F., 429 Wabash Ave., Chicago, Ill.

See also DANCING AND RHYTHM, page 45.

MUSIC. (Add other materials in space below.)

XIV. PICTURES, POSTERS, CHARTS, AND SLIDES

The use of bulletin boards as a teaching device is a well-established practice. In this section will be found sources for material to be used for such purposes. Pictures, posters, and charts are among the materials which lend themselves best to this use; newspaper clippings rank second. Clipping agencies offer an indispensable service to those interested in the educational possibilities of a "live, up-to-the-minute" bulletin board. Students are interested in bringing in material for the bulletin board and are alert to discover anything which may be of value. Bulletin boards may be made of burlap, cork, linoleum, or any of the various composition boards used for building.

A. PICTURES

Art Extension Society, 65 East 56th St., New York City.
Catalog, 25c.

"The Art Index," a catalog of 3,000 subjects with special topical listing. These subjects are reproductions of masterpieces done in color and are excellent for notebooks. They may be used for dancing, costuming, or festival notebook work.

Artext Prints, 8"x10", 35c.

Mounted, 11"x14", 50c.

Artext Juniors, 2½"x3½", \$3.00 for 100.

Large Size, 16"x20", \$3.00.

Art Institute of Chicago, Michigan Ave. and Adams St., Chicago, Ill. Price list free.

Photographs of every object in the Museum; 8"x10", black and white, 50c; sepia, \$1.50. Photogravures, 6"x8", 25c. Postcards for sale; see price list.

Boston Museum of Fine Arts, Boston, Mass. Printed list of subjects, free.

Photographs of any objects in the Museum. The handbook of the Museum, 60c, will be of great assistance in selecting the photographs desired.

Photographs (black and white, no colors):

5"x 7", 25c.

8"x10", 40c.

11"x14", \$1.00.

Photogravures:

9"x12", 20c.

18"x24", \$1.00.

Send for list of small sheets or reproductions, several on a sheet.
Each 3c to 5c.

Burbank Pilgrim Bookstore, Plymouth, Mass. Catalog free.

Pilgrim Pictures; various sizes and prices from 50c to \$2.00.

Copley Prints. Curtis and Cameron, 12 Harcourt St., Boston, Mass. Illustrated catalog, 25c.

A large list of prints widely used. All subjects are done in a rich sepia monotone. Most of the subjects also come in color, either hand colored, in oil, or in Copley process color; 4"x5"; 75c in sepia; \$1.50, hand colored.

Pictures for use on bulletin boards and dance notebooks. Prints will be sent on approval. Exhibitions for schools may be arranged. Write for full particulars.

The Days We Celebrate. Perry Picture Co., Malden, Mass. 2c.

A list of pictures for different months of the year, holidays, etc., sent for two cents in stamps. For bulletin board use.

Metropolitan Museum of Art, Fifth Ave. and Central Park East, New York City.

Catalog of paintings, 50c. Bulletin, "Reproductions for Sale."

New York Public Library, Fifth Ave. and 42nd St., New York City.

Pictures may be borrowed by any one holding a borrower's card. Call at the Library, Room 100, for particulars.

Outdoor Good Manners. Bulletin No. 20. American Nature Association, 1214 Sixteenth St., N. W., Washington, D. C. Free.

Reprint from "Nature Magazine," May 1926. Suitable for bulletin board. Contains a very telling cartoon.

The Picture Collection, Revised. John C. Dana and Blanche Gardner. H. W. Wilson Co., 960 University Ave., New York City. \$1.00.

An illustrated paper-bound book arranged especially for the school librarian, but of great value to all teachers. List of publishers and addresses for pictures and postcards.

Contents: How Pictures Are Obtained; Pictures on Specific Subjects; Bulletins; Exhibits; Charging System; Wrapping Pictures; Method of Scoring; Filing Pictures; Folders for Unmounted Pictures; Mounts; Mounting; Handling and Display; Repairing; Use of Library Pictures by Schools; Pictures Grouped by Subjects; Classification; Subject Headings.

Theatre Magazine. Theatre Magazine Publishing Co., 2 West 45th St., New York City. Subscription, \$5.00; single copies, 35c to 50c.

Splendid illustrations and full-page pictures for bulletin and notebook use.

University Prints Co., Newton, Mass. Illustrated catalog, 5c.

A very fine line of pictures, including Greek, Roman, and Egyptian sculpture, for use on the bulletin board and in dance notebooks.

B. POSTERS AND CHARTS

Catalog of Posters. National Child Welfare Association, 70 Fifth Ave., New York City. Free.

Shows posters in small replicas, many on health topics. These are primarily for younger pupils, but are also useful in high schools.

Health Posters from Hygeia. The American Medical Association, 535 North Dearborn St., Chicago, Ill. Free.

Many small reproductions from the magazine "Hygeia," with suggestions for making and using posters. The report of a poster contest is included.

Educational Poster Service. National Child Welfare Association, 70 Fifth Ave., New York City. Descriptive illustrated price list free.

This Association specializes in originating and selling at cost educational posters dealing with the physical, mental, and moral development of children from birth to maturity. Size, 17"x28".

Nutrition and Health. Borden Co., 350 Madison Ave., New York City. Free to teachers.

Malnutrition: its causes, symptoms, and prevention. Many posters, cartoons, and tables are reproduced therein.

Poster Making in School. Metropolitan Life Insurance Co., 1 Madison Ave., New York City. Free.

A 12-page mimeographed leaflet, giving notes on the history of poster making, the qualities of a good poster, and how to make posters of various types.

Posters to Visualize Health in "Seeing Is Believing." American Child Health Association, 370 Seventh Ave., New York City. 12c.

A booklet on what posters are and how to make them, with examples.

Reproducing Original Charts. Louis Amsler and Co., 9 East 38th St., New York City.

This firm will make photostat reproductions of charts and posters at 25c each. A very fine way to get copies of interesting and unusual poster work done by the pupils.

Rickets Must Go. Mulberry Health Center, 256 Mott St., New York City. Catalog free.

A brief catalog of posters with reproductions.

Safety Poster Catalog. National Safety Council, 108 East Ohio St., Chicago, Ill.; or 21 East 40th St., New York City. Free.

This catalog gives small reproductions of available posters. Very good ones on "Poison Ivy," "Artificial Respiration," "Blood Poisoning," etc. Various sizes and prices.

C. SLIDES

School Slide Catalog, No. 31. Victor Animatograph Co., Davenport, Iowa. 15c.

Slides on many science topics, including portraits of scientists. Also free industrial slide service.

Teachers' Guide. Williams, Brown, and Earle, 918 Chestnut St., Philadelphia, Pa. Free.

Lists of lantern slides. Slides and visual material on a wide variety of subjects.

D. OTHER VISUAL AIDS

Catalog of Lending Collections. New Jersey State Museum, Trenton, N. J.

Lists of lantern slides, charts, photographs, exhibits, etc. Free to schools in the state.

International Guide to Material Descriptive of Many Lands and Peoples. Educational Publications, No. 4. Compiled by the Educational Dept., The League of Nations Non-Partisan Association, Inc., 6 East 39th St., New York City. 5c.

A list of source materials on books, plays and pageants, folk songs and folk dances, games, pictures, posters, maps, periodicals, material for leaders; the work of the organization.

Multiplex Display Fixture Co., 918 North Tenth St., St. Louis, Mo.

This company deals in many types of equipment, including bulletin boards of various kinds.

Pacific Press Clipping Bureau, An All-Western Service of the Pacific Northwest, 408 Marion St., Seattle, Wash.

Will supply clippings on all subjects, taken from the leading newspapers and journals of the west. 5c a clipping; minimum charge, \$3.00 a month.

Press Clipping Bureau, Burrelle's, 24 Murray St., New York City.

Will supply newspaper clippings on all subjects. These are taken from the leading papers and journals of the east. \$5.00 for 100 clippings, if taken within one year, \$12.00 for 250 clippings, good until all are secured. Excellent for bulletin board or note-book work.

Rotogravure Sections of Sunday Papers in different sections of the United States furnish current material, as well as classical material for bulletin boards and posters. The New York Times, World, Herald Tribune, etc., will submit sample copies of picture supplements. Back numbers can be purchased, the price depending upon the recency of the numbers desired. Newspapers in other cities probably provide a similar service.

Visual Instruction in the Public Schools. Anna Verona Dorris. Ginn and Co., 70 Fifth Ave., New York City. \$2.64.

A guide book for the teacher in the use of visual aids and materials of all sorts. Part I gives "a background that will enable the reader to use understandingly the various types of visual aids in ordinary teaching situations." Part II "is concerned with the modern methods of educational procedure and emphasizes, particularly, practical ways and means of using visual materials for the enrichment of the various subjects of the curriculum. These chapters are concretely illustrated by reports of actual classroom experiences." Part III "is devoted to the problems of training teachers in a larger use of visual instruction." Appendix A gives classified lists of dealers of visual aids and equipment; Appendix B, suitable illustrative materials for teaching various subjects.

See also **HEALTH AND HYGIENE (CHARTS AND BULLETINS)**, page 82.

PICTURES, POSTERS, CHARTS, AND SLIDES. (Add other materials in space below.)

XV. PROFESSIONAL READING FOR THE TEACHER

Materials of general professional value have been gathered together in this section. Much of this material is concerned with activities other than teaching, but has a definite relationship to professional problems and includes those books which belong in the reference and textbook library of teachers of physical education. The problem of vocational guidance has not been overlooked, as all teachers are called upon to advise and assist students in career-planning. Career possibilities received a great impetus during the period of the war and immediately afterward. A narrowing of opportunity followed but this has been replaced by a wider range of career possibilities than was ever before realized.

A. ORGANIZATION AND ADMINISTRATION

Administration and Cost of High School Interscholastic Athletics. L. H. Wagenhorst. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$1.25.

A study showing influences of most important agencies involved in promoting and controlling high school interscholastic athletics, with finance discussed and remedial measures proposed.

Conduct of Physical Activities. W. P. Bowen. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

Discussion of activities and their place in a school program.

Education Through Physical Education. Agnes R. Wayman. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$4.00.

Practical suggestions for program of physical education through sports, swimming, and dancing. Includes tests for motor ability and physical efficiency. Teachers and camp councillors will find the following chapters of interest: Chapter VIII, "Rhythmical Activities"; Chapter IX, "Tumbling and Stunts"; Chapter X, "Swimming and Swimming Bibliography"; and Chapters XI to XIV, devoted to the sports, social and individual in type.

Play in Education. J. L. Lee. The Macmillan Co., 60 Fifth Ave., New York City. \$1.80.

A reference book for teachers concerning play in all its aspects and relations. Chapters on types of play interests of the different age levels are of particular value.

The Practice of Organized Play. W. P. Bowen and E. D. Mitchell. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

One of the most complete books on the subject of plays and games available. Beginning with the simple plays of imitation, story plays, and singing games, this volume includes excellent material on team games, i.e., types of baseball, basketball, football, tennis, and hockey.

Principles of Physical Education. Jesse F. Williams. W. B. Saunders, West Washington Square, Philadelphia, Pa. 1927. \$3.00.

Dr. Williams "seeks to establish the place of physical education and to indicate its indispensable character in modern life." Chapter XIII has an excellent discussion of tests and measurements.

School Program in Physical Education. Clark W. Hetherington. World Book Co., Yonkers, N. Y. 1923. \$1.20.

Prepared as a subcommittee report to the Commission on Revision of Elementary Education of the National Education Association. Discussion of the status, objectives, and principles of physical education. Definition of physical education with a detailed outline of school program in physical education.

Sports, Heroics, and Hysterics. John R. Tunis. John Day Co., Inc., 25 West 45th St., New York City. \$2.50.

This collection of articles first appeared singly in Harper's Monthly. They portray existing sports conditions.

The Theory of Organized Play. W. P. Bowen and E. D. Mitchell. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.40.

A book of decided value to all interested in physical education. Gives a history of the play movement, discusses the philosophy of play, sex differences in play, and the application of play to life.

Education and the Integration of Behavior. Meredith Smith. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$1.50.

A discussion of behavior from the physiological as well as the psychological standpoint.

The New Physical Education. Thomas D. Wood and F. C. Cassidy. The Macmillan Co., 60 Fifth Ave., New York City. 1927. \$2.40.

A program of naturalized activities for education toward citizenship. Programs for all school levels are included.

The Organization and Administration of Playgrounds and Recreation, Jay B. Nash. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$4.00.

A most complete and worthwhile collection of material on organization and administration of city, club, and private recreation fields and playgrounds. Profusely illustrated and diagramed.

Organization of the Required Physical Education for Women in State Universities. G. B. Johnson. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. 1927. \$1.75.

A formulation of standards for judging professional departments of physical education, and a guide for the organization of typical departments and the reorganization of departments now rendering limited service.

Organization of Professional Training in Physical Education in State Universities. Ruth Elliott. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$1.50.

A carefully sketched history of training schools and well diagramed presentation of present-day requirements and curricula of the leading universities in the United States.

Physical Education Activities for High School Girls. Staff of Department of Physical Education for Women, University of Michigan. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$3.50.

A very comprehensive treatment of the organization and administration of the physical education activities for high school girls. Through diagrams, illustrations, and discussion, every detail

of the program is considered. Chapter V, dealing with tests and testing in relation to physical education, and the included bibliography are worthy of mention.

Whither Mankind. Edited by Charles A. Beard. Longmans, Green and Co., 55 Fifth Ave., New York City. \$3.00.

"A panorama of modern civilization," containing articles on all phases of modern life, by authorities such as Bertrand Russell, Havelock Ellis, John Dewey, and others. Chapter VIII, "Health," by C. E.-A. Winslow, and Chapter XIV, "Play," by Stuart Chase, are of particular interest. Both chapters are written in a more or less popular form. Some particularly interesting estimates of the cost of all forms of play and a table of popularity of play forms are given.

B. MAGAZINE ARTICLES

The Education of Emotions Through Physical Education. Jesse F. Williams. *Teachers College Record*, 21: 201-216, May 1920. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. 35c a copy.

Experimental Study of Nature of Improvement Resulting from Practice in a Motor Function. A. I. Gates and G. A. Taylor. *Journal of Educational Psychology*, April 1926. Warwick and York, Inc., Baltimore, Md. 60c a copy.

Interest and Effort in Physical Education. Jesse F. Williams. *American Physical Education Review*, 29: 333-340. Box G, Highland Station, Springfield, Mass. 35c a copy.

Physical Education Programs for Girls. F. R. Rogers. *American Physical Education Review*, 33: 237, May 1928. Box G, Highland Station, Springfield, Mass. 35c a copy.

What Range of Objectives for Physical Education? William H. Kilpatrick. *Teachers College Record*, 27: 6-14, September 1925. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. 35c a copy.

C. BIBLIOGRAPHIES

Bibliography. *American Physical Education Review*, Box G, Highland Station, Springfield, Mass. 1928. 50c.

A general list of physical education materials.

Bibliographies on School Clubs and on Debating. Compiled by E. K. Fretwell. Teachers College Record, 28: 1018-34, June 1927. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. Single copy, 35c.

List of questions which must be considered, and annotated bibliographies. Best selected list available. The section on school clubs is of interest to teachers of physical education.

Physical Education Book Catalog. A. S. Barnes and Co., 67 West 44th St., New York City.

A book catalog issued quarterly, containing complete and revised list of physical education books published by this firm.

Out-of-Print Books

A desirable service in books on special subjects which are out of print is given by Stammer Bookhunter, 61 Fourth Ave., New York City; and by Out-of-Print Library Service, Times Bldg., New York City.

Publishers' Lists

All publishers will send on request lists of their publications from which selections on books on health and on physical education may be made.

D. EXTRA-CURRICULAR ACTIVITIES

Extraclass and Intramural Activities. A. C. Roberts and E. M. Draper. D. C. Heath and Co., 239 West 39th St., New York City. 1928. \$2.40.

This book is based on an actual study of leading high schools in all parts of the country. It contains descriptions of various clubs, their difficulties and successes, with a discussion of underlying principles.

Extra-curricular Activities H. C. McKown. The Macmillan Co., 60 Fifth Ave., New York City. \$3.00.

An excellent book, particularly Chapters VI, "Clubs," VII, "Dramatics," XV, "School Trips and Excursions," and XXVI, "Miscellaneous Activities." Discussion, practicable directions, and bibliography with each chapter.

The Extra-curricular Library. Harold D. Meyer, Editor. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.00 a volume.

A collection of excellent material on extra-curricular activities and their problems by authorities in the field: "Financing Extra-curricular Activities," Harold D. Meyer and S. M. Eddleman. "Assembly Programs," M. Channing Wagner. "Home Room Organization and Activities," Evan E. Evans. "School Club Practices," Harold D. Meyer. "The Spirit of Sportsmanship," Dan Chase. "Home Room Projects," Malcolm Scott Hallman. "Extra-curricular Activities for the Rural School," J. Andrew Holley. "Commencement," Gertrude Jones. "The Organization and Administration of Extra-curricular Activities," C. V. Millard. "Point Systems and Awards," Edgar G. Johnston. "Student Publications," George C. Wells and Wayde H. McCalister. "The Puppet in Education," Virginia Sanderson. Write for announcement concerning publication of other volumes in this series.

Junior High School Life. Thomas-Tindal and Myers. The Macmillan Co., 60 Fifth Ave., New York City. \$2.00.

Chapter XIV gives a general discussion of the organization and guidance of school clubs; Chapter XV lists the intra-curricular activities of the school. Rich in suggestions.

E. HISTORY OF PHYSICAL EDUCATION

A Brief History of Physical Education. Emmett A. Rice. A. S. Barnes and Co., 67 West 44th St., New York City. 1926. \$2.00.

An interesting discussion of physical education, beginning with primitive man. Deals with the various periods of civilization and the attendant physical education activities up to the present time.

History of Physical Education. F. E. Leonard and R. T. McKenzie. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. 1923. \$4.00.

A complete history of physical education, touching on its development in all countries and emphasizing particularly its development and various movements in the United States.

F. GENERAL REFERENCES

The Child, His Nature and His Needs. Edited by M. V. O'Shea. A contribution of the Child Education Foundation, 66 East 92nd St., New York City. 1924. \$1.00.

A survey of the child's development and his needs, by authorities in child study. Bird T. Baldwin, Mary J. Whitley, Arnold Gesell, C. E.-A Winslow, Winfield Scott Hall, and other men and women of prominence are among the contributors.

Creation by Evolution. Edited by Frances Mason. The Macmillan Co., 60 Fifth Ave., New York City. \$5.00.

Contributions by twenty-four eminent scientists. A consensus of present-day knowledge set forth in non-technical language that all may understand. "Dedicated to those who seek facts as evidence and who find this search to be of inexhaustible interest."

Education Research. Carter Alexander. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. 1927. 75c.

Suggestions and sources of data with specific reference to educational administration. Also, discussion of standards for a dissertation; choosing, defining and outlining the problem for a dissertation; writing the dissertation; location of source materials; bibliographies.

Exercise in Education and Medicine. Robert T. McKenzie. W. B. Saunders and Co., West Washington Square, Philadelphia, Pa. 1923. \$5.00.

Part I, Behavior of Muscles, Heart and Lungs During Exercise. Exercise in Respect to Age, Sex, and Occupation. Review of German and Swedish Systems, American Institutions and Physical Education Schools, Y. M. C. A.'s, Camps, Youth Movement, Schools and Colleges.

Part II, Exercise in Medicine. The place and use of exercise in the practice of medicine in general and specific aspects.

Foundations of Method. William H. Kilpatrick. The Macmillan Co., 60 Fifth Ave., New York City. \$2.00.

Informal talks on teaching, in the Socratic manner.

A Graphic View of Recent Trends in Our Schools. Frank M. Phillips. Houghton Mifflin Co., 2 Park St., Boston, Mass. Free.

The data used were collected from published reports of the Federal Bureau of Education, National Industrial Conference Board, Census Bureau, and other sources.

Home Sewerage Disposal. W. A. Hardenbergh. J. B. Lippincott Co., 227 East Washington Square, Philadelphia, Pa. 1924. \$3.50.

A handbook for health workers. A valuable reference book for teachers and supervisors concerning problems of sanitation and the teaching of sanitation.

How to Do Research Work. W. C. Schlutter. Prentice Hall, Inc., 70 Fifth Ave., New York City. 1926. \$1.25.

A valuable aid to those interested in research problems.

How We Resist Disease. Jean Broadhurst. J. B. Lippincott Co., 227 East Washington Square, Philadelphia, Pa. \$3.00.

An excellent reference on communicable diseases.

An Introduction to Teaching. W. C. Bagley and J. A. Keith. The Macmillan Co., 60 Fifth Ave., New York City. \$1.80.

A discussion of teaching problems and methods; of particular value to young teachers.

Light and Health. M. Luckiesh and A. J. Pacini. Williams and Wilkins Co., Baltimore, Md. \$5.00.

Effect of light on human health and happiness. An interesting discussion of a relationship not often considered.

List of Educational Subject Headings. Edited by L. Belle Voegelein with Committee on Classification of Educational Materials of the National Education Association. Ohio State University Press, Columbus, Ohio. \$5.00.

A comprehensive scheme for classifying and indexing educational books, periodicals, bulletins, and materials of all types.

Physiology of Muscular Exercise. Francis Arthur Bainbridge. Longmans, Green and Co., 55 Fifth Ave., New York City. 1923. \$3.75.

A book for teachers.

Muscular Movement in Man. The Factors Governing Speed and Recovery from Fatigue. A. V. Hill. McGraw-Hill Book Co., Inc., 370 Seventh Ave., New York City; or 6-8 Boverie St., E. C. 4, London, England. 1927. \$2.50.

A contribution by the George Fisher Baker Non-Resident Lec-

tuership in Chemistry at Cornell University. This book is an outstanding piece of work. It is of particular value to students and teachers of physical education, although not written for such a purpose. The contents include: Methods; Oxygen and Carbon Dioxide; The Steady State of Exercise; Work; Recovery; Carbon Dioxide; Speed and Energy Requirement. Also, The Viscosity of Human Muscles; The Dynamics of "Sprint Running"; The "Mechanical Efficiency" of the Human Muscle; Some Applications to Athletics; Fatigue and Recovery in the Isolated Muscle; The Cost of Maintaining a Contraction; The Theoretical Maximum Work; Reversible and Irreversible Phenomena in Muscle; The Viscosity of Muscle.

In conclusion, the author offers an unusual bibliography which in itself is worth special attention.

The Normal Mind. W. H. Burnham. D. Appleton and Co., 29 West 32nd St., New York City. \$3.50; educational edition, \$2.75.

An introduction to mental hygiene and the hygiene of school instruction.

Nutrition. W. H. Eddy. Williams and Wilkins Co., Baltimore, Md. \$2.00.

An excellent antidote for any kind of food fad. An authoritative book for laymen and students.

The Practice of Teaching in the Secondary Schools. Henry C. Morrison. The University of Chicago Press, Chicago, Ill. \$4.00.

One of the best known and most vital books on secondary education, its definition, practice, and prognosis.

Preventive Medicine and Hygiene. Milton J. Rosenau. D. Appleton and Co., 35 West 32nd St., New York City. 1926. \$10.00.

Personal hygiene, sanitation, the communicable diseases—a one-volume cyclopedia on these topics.

The Psychology of Childhood. Naomi Norsworthy and Mary Whitley. The Macmillan Co., 60 Fifth Ave., New York City. \$1.80.

A textbook in child psychology. The applications of psychology to the duties of the teacher are given special attention.

The Psychology of Play Activities. H. C. Lehman and P. A. Witty. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A study of play in relation to attitudes, theories, techniques, sex difference, race differences, and other variables influencing play. A textbook for teacher-training institutions and a valuable reference book for teachers.

Psychology for Students of Education. A. I. Gates. The Macmillan Co., 60 Fifth Ave., New York City. \$2.00.

A textbook of psychology for students and teachers.

Reading for Professional Advancement. John C. Almack. Houghton Mifflin Co., 2 Park St., Boston, Mass. Free.

Leaflet discussing: How to Select Professional Books; Using Professional Books; How to Organize Reading Circles; Suggested List of Books Dealing with Special Fields.

Visual Instruction in the Public Schools. Anna Verona Dorris. Ginn and Co., 70 Fifth Ave., New York City. \$2.64.

A guidebook for the teacher in the use of visual aids and materials of all sorts. Part I gives "a background that will enable the reader to use understandingly the various types of visual aids in ordinary teaching situations." Part II "is concerned with the modern methods of educational procedure and emphasizes, particularly, practical ways and means of using visual materials for the enrichment of the various subjects of the curriculum. These chapters are concretely illustrated by reports of actual classroom experiences." Part III "is devoted to the problems of training teachers in a larger use of visual instruction." The appendix gives classified lists of dealers of visual aids and equipment. Suitable illustrative materials for teaching various subjects.

The Janitor and the School Child. C. E. Winslow. Metropolitan Life Insurance Co., 1 Madison Ave., New York City. Free.

An authoritative discussion of the relation of ventilation to health. Illustrated with drawings and diagrams useful in studying air currents.

Ventilation of School Buildings. National Education Association, 120 Sixteenth St., N. W., Washington, D. C. 15c.

A small pamphlet of facts of use to teachers and administrators; also for pupil reference.

State Material. Every teacher should get in touch with the free material distributed by the various state educational organizations:

State Department of Education.

State Department of Health.

State University Library and Department of Visual Education and Extension Bureau.

State Library Association.

State Museums.

These agencies have on file motion picture films, pictures, slides, stereographs, reading lists, models, and other teaching devices.

G. POSTURE

Body Mechanics and Health. Leah C. Thomas. Houghton Mifflin Co., 2 Park St., Boston, Mass. 1922. \$1.50; school edition, \$1.25.

This little book, revised and enlarged, contains an introduction by Dr. Joel Goldthwaite which adds to its value. The addition of a number of rhythms and plays deserves special attention; they are intended for use in posture work with children and are followed by a series of model graded lessons.

Corrective Physical Education for Groups. Charles L. Lowman, Claire Colestock, and Hazel Cooper. A. S. Barnes and Co., 67 West 44th St., New York City. \$4.50.

A textbook of organization, theory, and practice in the field of corrective work in physical education, which includes a comprehensive survey of corrective gymnastics, with special emphasis upon elementary and high school programs with regular and restricted work.

Education Through Physical Education. Agnes R. Wayman. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$4.00.

Contains a resumé of devices and schemes to interest girls in their posture.

Posture Equipment

ANTHROPOMETRIC APPARATUS

Chicago Gymnasium Equipment Co., 1835 West Lake St., Chicago, Ill.

Medart Mfg. Co., Potomac and De Kalb Sts., St. Louis, Mo.; 511 West 42nd St., New York City.

Narragansett Machine Co., Providence, R. I.; 1504 Monadnock Block, Chicago, Ill.; 214 East 40th St., New York City.

HEIGHT-WEIGHT CHARTS

American Child Health Association, 370 Seventh Ave., New York City. (Charts, including the Wood-Baldwin.)

Wood-Rowell Charts, Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. 10c.

Department of the Interior, Bureau of Education, Washington, D. C.

PEDAGRAPH MACHINE

Arrowsmith Co., Morristown, N. J.

SILHOUETTEOGRAPH

Eastman Kodak Stores, Inc., 38 Bromfield St., Boston, Mass.

French Co., Robey St., Boston, Mass.

Individual Gymnastics. Lillian Curtis Drew. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. 1923. \$2.25.

A handbook of corrective and remedial gymnastics, discussing individual gymnastics and their place in physical education, equipment, posture, examinations (records, schematograph, etc.); suggested treatment and exercises for visceroptosis, scoliosis, infantile paralysis, constipation, foot difficulties, and the problem of weight.

A Manual of Corrective Gymnastics. Louisa C. Lippett. The Macmillan Co., 60 Fifth Ave., New York City. 1923. \$1.60.

Interesting cuts of gymnasium costumes for women; detailed procedures for corrective exercises.

Preventive and Corrective Physical Education. George T. Stafford. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

A fully illustrated discussion of the subject.

Putting the Punch in Posture. Florence Alden. The American Physical Education Review, April 1924. Box G, Highland Station, Springfield, Mass. 35c a copy.

Scale for Measuring the Antero-posterior Posture of Ninth Grade Boys. C. L. Brownell. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. 1928. \$1.50.

A review of all methods of measuring posture with helpful analysis of an efficient practical means of coping with one of the most frequently mentioned objectives in physical education: inculcation of correct posture habit.

Physical Education Activities for High School Girls. Staff of Department of Physical Education for Women, University of Michigan. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$3.50.

Chapters I, II, III, and IV deal with posture, examinations, and remedial activities.

H. VOCATIONAL POSSIBILITIES

Career Bulletins. National Research Council, Washington, D. C. Free to teachers.

Some fifteen bulletins on careers, including "Public Health Research" by D. S. Edsall.

Careers. E. G. Rodger. D. Appleton and Co., 35 West 32nd St., New York City. \$1.50.

Very readable, especially for boys. Describes the characteristic features of many careers.

Careers in Public Health Service. J. A. Ferrell. Rockefeller Foundation, 61 Broadway, New York City. Free.

Clearly defines the field; gives detailed statistical tables and bibliography. Annual report of the Foundation sent free.

Directory of Training Courses for Recreation Leaders. Compiled by Marguerita P. Williams and Lee F. Hanmer. Dept. of Recreation, Russell Sage Foundation, 130 East 22nd Street, New York City, N. Y. Pamphlet, 50c.

Courses offered by 200 educational institutions and recreation agencies are classified according to extensiveness and type of training. Includes courses offered by colleges and universities, schools of physical education, national organizations for training leaders in their activities. A helpful guide for vocational adviser, professional worker, and prospective student.

News Bulletin. The Bureau of Vocational Information, Room 1610, 51 East 42nd St., New York City. \$1.00 a year.

A periodical published twice a month, except in July and August. Lists opportunities in various fields, describes vocational guidance programs in individual schools, etc. Includes references to magazine articles and bibliographies of books on vocational subjects.

Because the teacher of physical education is in such close contact with the pupil, he may offer much help in vocational guidance. This bulletin is helpful and rich in suggestions.

Opportunities for a Life Career in the Field of Public Health. Public Health Service, Washington, D. C. 62 pp. Free.

"Prepared under the direction of the Advisory Committee to Surgeon General on the Education of Sanitarians and the Future of Public Health in United States."

Also, "The United States Public Health Service as a Career," by W. C. Rusher.

The Vocational Guidance of College Students. Studies in Education, VIII. Harvard University Press, Cambridge, Mass. \$2.50.

The author points out that the purpose of vocational guidance is to help open up possibilities in various fields, and to direct the student into the kind of work congenial to the individual and serviceable to the community. This press also publishes: "A Guide to the Study of Occupations," which contains an outline and bibliography for each common occupation, by F. J. Allen. \$2.50.

What Girls Can Do. Ruth Wanger. Henry Holt and Co., 1 Park Ave., New York City. \$1.28.

Includes an excellent section on the professions that have to do with health.

I. TEXTBOOKS

Anatomy and Physiology, Textbook of. Jesse F. Williams. W. B. Saunders, West Washington Square, Philadelphia, Pa. 1926. \$2.75.

Applied Anatomy and Kinesiology. W. P. Bowen and R. T. McKenzie. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. 1923. \$3.75.

Bacteria in Relation to Man. Jean Broadhurst. J. B. Lippincott Co., 227 East Washington Square, Philadelphia, Pa. 1925. \$3.00.

A technical reference book for the teacher.

An Elementary Manual of Physiology. R. Burton-Opitz. W. B. Saunders Co., West Washington Square, Philadelphia, Pa. 1928. \$2.50.

A textbook for colleges and nurses training schools as well as for students in physical education.

Fundamental Danish Gymnastics for Women. Dorothy Sumption. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$2.00.

A wealth of clearly described exercises with good illustrations. Includes class formations, lesson plays, and demonstration material.

Fundamental Gymnastics. Nils Bukh. Translated and arranged by Emily Russell Andrews and Karen Vesterdal. E. P. Dutton and Co., Inc., 681 Fifth Ave., New York City. 1928. \$2.00.

Personal Hygiene Applied. Jesse F. Williams. W. B. Saunders, West Washington Square, Philadelphia, Pa. Third Edition. 1928. \$2.00.

A practical discussion from a broad point of view, suitable for high school and college textbook.

PROFESSIONAL READING FOR THE TEACHER.
(Add other materials in space below.)

XVI. MAGAZINES AND PERIODICALS

In this section have been assembled those publications and periodicals of greatest interest and value to the professional-minded. There is included, also, a list of recent professional articles which have received particular mention.

American Association for Medical Progress, 370 Seventh Ave., New York City. Benjamin C. Gruenberg, Managing Director. Dues, \$2.00 a year.

Dues include "Medical Progress," a quarterly. The association purposes "to diffuse among the lay public an understanding of research methods in medical science."

The American Golfer. Grantland Rice, Editor. The Condé Nast Publications, Inc., Boston Post Road, Greenwich, Conn. \$3.00 a year; \$5.00 for two years.

This monthly publication offers most practical help in playing golf. Alex J. Morrison's step-by-step lessons are an outstanding feature. Contains many illustrations and diagrams.

American Journal of Hygiene, 615 North Wolfe St., Baltimore, Md. \$6.00 a year.

Published bi-monthly. Articles, discussions, surveys, and reports.

American Lawn Tennis. S. Wallis Meriweather. Printing and Crafts Building, 461 Eighth Ave., New York City. \$4.00 a year; single copy, 30c.

The official publication of the American Lawn Tennis Association, published monthly from October to June and bi-monthly during July, August, and September.

American Physical Education Review. Box G, Highland Station, Springfield, Mass. \$5.00 a year, including membership in the American Physical Education Association.

A monthly publication, except for July and August. The outstanding physical education publication.

Child Health Bulletin, 370 Seventh Ave., New York City. Membership dues \$2.00; bulletin included.

Bi-monthly publication of the American Child Health Association designed to teach better health habits.

Creative Art. Albert and Charles Boni, Inc., 66 Fifth Ave., New York City. \$7.50 a year; single copy, 75c.

A monthly publication of fine and applied art incorporating "The Studio" of London, of which Lee Simonson is editor. "Creative Art" includes a complete monthly list of exhibitions of note throughout the country, is profusely illustrated with photographs of paintings, pottery, colored prints, etc., and offers outstanding articles by prominent men and women. Of great value to teachers interested in the artistic and cultural development in physical education.

De Vry Movie News. The De Vry Corporation, 1111 Center St., Chicago, Ill. Free.

A monthly publication containing many illustrations. Concerned chiefly with news of photography, with emphasis on the use of motion pictures in schools.

Education Information Service. National Child Welfare Association, 70 Fifth Ave., New York City. \$1.00 a year.

A monthly digest of current literature on recreation, visual education, health topics, and similar themes.

Educational Screen, 5 South Wabash Ave., Chicago, Ill. \$1.50 a year.

Monthly, except for July and August. The best publication in the field of visual education.

Good Health. Good Health Publishing Co., Battle Creek, Mich. \$2.50 a year.

Monthly. Subtitled: "The Battle Creek Journal of Health and Hygiene." Illustrated dietary outlines.

Hockey World. E. A. C. Thomson, editor, 7 Merton Hall Road, Wimbledon, S. W. 19, England. 4s. (\$1.00) a year.

Weekly. Descriptions of strokes and procedures.

How to Live. Life Extension Institute, 25 West 43rd St., New York City. \$1.00 a year.

A monthly journal designed to assist in bringing about better living through a knowledge of health and hygiene.

Human Biology. Warwick and York, 10 East Center St., Baltimore, Md. \$5.00 a year.

A publication of biological researches and discoveries, and their application to life problems.

Hygeia. The American Medical Association, 535 North Dearborn St., Chicago, Ill. \$3.00 a year; single copy, 25c.

A magazine for the layman, emphasizing health, normal living, recreation, and problems of public concern along such lines. Monthly circulation.

Journal of the Chartered Society of Massage and Medical Gymnastics. 157 Great Portland St., W. I., London, England. 7s. (about \$1.68).

A scholarly and scientific publication of particular interest to students in the indicated fields.

Journal of Educational Research. Public School Publishing Co., Blomington, Ill. \$4.00 a year.

A publication devoted to outstanding research and techniques of research in education.

Journal of Industrial Hygiene. Harvard School of Public Health, 55 Van Dyke St., Boston, Mass. \$6.00 a year; single copy, 75c.

Issued monthly except July and August, this magazine deals with all problems of industry's effect on health, with practical means of relief. Very technical in approach.

Journal of Joint and Bone Surgery. American and British Orthopedic Association, 166 Newbury St., Boston, Mass. \$5.00 a year.

A quarterly periodical of interest to those engaged in orthopedic work and to students of anatomy.

Journal of Nutrition. Charles C. Thomas, 300 East Monroe St., Springfield, Ill. \$3.50 a year.

Gives scientific knowledge of nutrition.

Journal of Physical Education. Physical Directors Society of the Y. M. C. A., 347 Madison Ave., New York City. \$3.00 a year.

A publication containing much of interest for those engaged in school and recreation work.

Journal of School Hygiene and Physical Education. E. Adair Impey, Crophorne, King's-Norton, England. Price varies out of England.

A review of activities and programs in the indicated fields as carried on and promoted in the schools of England.

Journal of Social Hygiene. American Social Hygiene Association, 370 Seventh Ave., New York City. \$3.00 a year.

Articles of interest to teachers, suggestions, and surveys of work done.

Medical Progress. American Association for Medical Progress, Inc., 370 Seventh Ave., New York City. \$1.00 a year.

A quarterly magazine of about 16 pages, designed to diffuse an understanding of research methods in medical science.

Mental Hygiene. Frankwood E. Williams, M.D., editor. National Committee for Mental Hygiene, 370 Seventh Ave., New York City. \$3.00 a year.

A quarterly magazine with excellent articles. There is also a monthly bulletin issued by the same editor; subscription, 50c a year.

Mind and Body. Mind and Body Publishing Co., New Ulm, Minn. \$2.00 a year.

A publication for the school of German gymnastics. Includes a great number of drills, dances, and programs.

Modern Science and People's Health. Edited by Benjamin C. Gruenberg. American Association for Medical Progress, 370 Seventh Ave., New York City. \$2.50.

With magazine "Medical Progress" and dues in the Association, \$3.50. Contributed to by leaders in medical research and medical education.

The Museum News. American Association of Museums, 2 West 46th St., New York City. \$1.00.

Semi-monthly with detailed information concerning museum exhibits.

Museum Service. Municipal Museum, Rochester, N. Y. Free.

A monthly publication containing excellent notes on museum work.

The Nation's Sports. American Sports Publishing Co., 45 Rose St., New York City. Sent on request, free.

Furnishes detailed information concerning current issues of the Spalding Athletic Library Series.

National Physical Education Service of the Playground and Recreation Association of America, 315 Fourth Ave., New York City. \$1.00 a year.

Monthly news-letter for those in physical education, playground, and recreation work. Contains reports of committees, outlines of plans, programs, and bibliographies.

Nature Magazine. American Nature Association, 1214 Sixteenth St., N. W., Washington, D. C. \$3.00 a year; single copy, 35c.

An excellent illustrated monthly for teachers and children, campers, and nature lovers.

The Pentathlon. The Journal of the Middle West Society of Physical Education. E. D. Mitchell, editor, Ann Arbor, Mich. \$1.00 a year; single copy, 25c.

Published for professional people interested in normal school, public school, college, private school, playground, and recreation groups, industrial groups, Y. M. C. A., Y. W. C. A., and Scouts, and dealing with problems, programs, and activities in physical education.

Physiologic Review, 19 West Chase St., Baltimore, Md. \$2.50 a quarter; \$6.00 a year.

A digest of important books, papers, and articles; most valuable.

The Playground, 315 Fourth Ave., New York City. \$2.00 a year; single copy, 25c.

A very practical, readable monthly magazine on news of community projects throughout the United States. Helpful articles with new material in the interest of the playground movement and its organization and administration.

Progressive Education Quarterly Review. Progressive Education Association, Washington, D. C. \$2.00 a year.

Discusses progressive movements and contains interesting accounts of work carried on in the experimental schools of the United States.

School Life. U. S. Bureau of Education, Washington, D. C. Monthly except July and August. 50c a year; single copy, 5c.

Useful to all whose interest is in education. No specializing; articles aim to be helpful to the whole field of education. A sincere organ of help in mass education from crowded city schools to rural communities.

School and Society. Science Press, Grand Central Terminal, New York City. \$5.00 a year.

A magazine in the interest of general education with occasional articles on organization of programs, or special programs in physical education.

Science. Science Press, Grand Central Terminal, New York City. \$6.00 a year; single copy, 15c.

A decidedly worthwhile weekly publication which offers articles on scientific procedure and discovery, of particular interest to teachers of physical education.

Scientific Monthly. Science Press, Grand Central Terminal, New York City. \$5.00 a year.

A magazine devoted to scientific articles and discoveries; frequently contains articles of value to the physical educator.

The Scout Executive. 2 Park Ave., New York City. \$1.00 for non-members; 50c to volunteers.

A monthly publication including a catalog of equipment for scouting and camping. Also a bibliography on camping.

Spalding Publications. American Sports Publication Co., 45 Rose St., New York City.

The Spalding Athletic Library Books cover: Baseball, Basketball, Field Hockey, Football, Golf, Handball, Lacrosse, Tennis, Track and Field, Volley Ball, and a miscellany of athletic and sport activities.

Sportsmanship. Sportsmanship Brotherhood, Inc., 342 Madison Ave., New York City. \$1.00 a year.

A magazine published to establish standards of sportsmanship and to encourage its larger development.

The Sportswoman. The Sportswoman Guild, Inc. Edited by Constance M. K. Applebee, 5800 North Mervine St., Philadelphia, Pa. \$3.00 per year; single copy, 35c.

A magazine published in the interest of women's clubs, and college and school sports. Articles contributed by specialists on the latest developments in the various fields of sport and the latest achievements of women in games.

The Survey. Survey Associates, Inc., 112 East 19th St., New York City. \$5.00 a year; single copy, 25c.

A bi-monthly magazine on social welfare and progress.

Visual Review. Society for Visual Education, Chicago, Ill.
Free.

An annual publication of about fifty pages, devoted to practical information for teachers in developing visual instruction programs.

MAGAZINES AND PERIODICALS. (Add other materials
in space below.)

XVII. RECREATION

In planning recreation, the reasons for a program of recreation are considered, as well as the organization of recreative activities, the place for carrying on these activities, and the material which will aid in the conduct of the program. The material listed under stunt activities is included in this section, because of the large part which these activities play in programs of recreation as well as in regular programs of school activities.

A. GAMES AND PLAYS

An Athletic Program for Elementary Schools. Leonora Andersen. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$2.00.

Games organized progressively for various age levels and leading to games of high organization. Two chapters devoted to accomplishment tests for seventh and eighth grades.

The Book of Games for Home, School, and Playground. William Byron Forbush and Harry R. Allen. The John C. Winston Co., 1006 Arch St., Philadelphia, Pa. 1927. \$2.00.

A book of over four hundred classified games. Classification given according to grade, age, and type of game.

Educational Story Plays and School Room Games. E. W. Elmore and M. L. Carns. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A collection of unusual story plays with illustrations by Bernice Oehler, whose work is well known.

400 Games for School, Home, and Playground. Ethel L. Acker. Owen Publishing Co., Dansville, N. Y. \$1.50.

Includes counting-out rhymes, choosing guides, dramatic and singing games, games for use in various school subjects, i.e., arithmetic and geography, and games for the playground.

Games. George O. Draper. Association Press, 347 Madison Ave., New York City. \$1.00.

A brief collection of classified games contributed by Y. M. C. A. instructors. Part III on outdoor games is particularly good.

Games, Contests, and Relays. S. C. Staley. A. S. Barnes and Co., 67 West 44th St., New York City. \$3.00.

A collection of games, stunts, relays, and contests for elementary school, high school, and college. Bibliography.

Games for Every Day. Gabrielle E. Elliot and Arthur R. Forbush. The Macmillan Co., 60 Fifth Ave., New York City. \$1.75.

An excellent collection of games grouped under games for rainy days, winter games, spring and summer games, games to play when traveling, etc.

Games for Playground, Home, School, and Gymnasium. Jessie Bancroft. The Macmillan Co., 60 Fifth Ave., New York City. 1909. \$2.40.

Collection of games of every type.

Games and Recreational Methods. Charles F. Smith. Dodd, Mead and Co., Inc., 443 Fourth Ave., New York City. 1924. \$2.00.

Presents game material for hikes, camps, and campfires. Contains an introductory chapter on Recreational Leadership by Dr. Elbert K. Fretwell.

Handbook of Athletic Games, for Players, Instructors, and Spectators. Jessie H. Bancroft and William D. Pulver-Macher. The Macmillan Co., 60 Fifth Ave., New York City. 1916. \$2.00.

A careful compilation of ball games, track and field athletics, and rowing races. Includes history and bibliography for each game.

Handbook of Games and Programs. William R. La Porte. Abingdon Press, 150 Fifth Ave., New York City. 1925. 80c.

A collection of carefully selected games, well organized in presentation. Chapters on stunts, dual or couple activities, and contests.

It Is to Laugh. Edna Geister. Woman's Press, 600 Lexington Ave., New York City. 1922. \$1.25.

A book of practical games, pleasing in its presentation. Chapters on group games, trick games, and games for picnics and outdoor occasions.

Leisure and Its Use. Herbert L. May and Dorothy Petgen. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A notable book on various phases of recreation in France, Germany, England, Belgium, Denmark, and Czechoslovakia.

Normal Course in Play. Joseph E. Lee. A. S. Barnes, 67 West 44th St., New York City. 1925. \$2.00.

For the Playground and Recreation Association of America, the book develops the organization of a play program, including a great deal of material.

Old Tunes, New Rhymes, and Games. Mari Ruef Hofer. A. Flanagan and Co., 920 North Franklin St., Chicago, Ill. 40c.

Collection of singing games and plays for little children.

Parks. A Manual of Municipal and County Parks. Edited by L. H. Weir, Playground and Recreation Association of America. A. S. Barnes and Co., 67 West 44th St., New York City. 2 vols. \$20.00 complete. Illustrated prospectus sent on request.

A limited edition containing over four hundred pictures and a compilation of valuable recreational data.

Play Activities for Elementary Schools. Dorothy M. La Salle. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

An outstanding book offering a graded series of games for the elementary school, grouped under the headings: Hiding and Seeking Games, Jumping and Hopping Games, Running Games, Catching and Throwing Games, etc.

Play Areas. Their Design and Equipment. Prepared by the Playground and Recreation Association of America. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A decided contribution to the subject of play areas; discussion of plans for communities of every size. Excellent bibliography.

Social Games and Group Dances. J. C. Elsom and Blanche Trilling. J. B. Lippincott and Co., 227 East Washington Square, Philadelphia, Pa. 1927; revised and enlarged. \$2.50.

A collection designed for mixed groups of boys and girls. Contains games and dances.

The Song Play Book, Singing Games for Children. C. Ward Crampton and Mary A. Wallaston. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.40.

Forty-nine games for use in elementary schools.

Sources of Information on Play and Recreation. Revised edition. Marguerita P. Williams. Russell Sage Foundation, 130 East 22nd St., New York City. \$1.00.

A worthwhile book of sources and material on play and recreation problems.

Spontaneous and Supervised Play in Childhood. Alice Corbin Sies. The Macmillan Co., 60 Fifth Ave., New York City. \$2.00.

A book for the teacher on the significance of different play activities manifested by children.

B. PLAY DAYS

Play Days. Helen Norman Smith and Helen L. Coops. A. S. Barnes and Co., 67 West 44th St., New York City. 75c.

This little book includes a discussion of basic standards in the organization of play days, program outlines, and other valuable material.

Play Days for Girls and Women. Margaret M. Duncan and Velda P. Cundiff. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.60.

A compilation of material on organization of activities for play day programs.

Play Day—The Spirit of Sport. Ethel Perrin and Grace Turner. American Child Health Association, 370 Seventh Ave., New York City. 50c.

Outline of play days for every situation, rural, elementary, high school, and college as well as community and industrial play days. Also includes water carnivals and winter sport carnivals with approximate cost.

Recreative Athletics. Prepared by the Playground and Recreation Association of America. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.00.

This book contains an excellent chapter on Play Day, its purpose and organization. See item in section on ATHLETICS, page 11.

C. STUNT ACTIVITIES

The Complete Kano Jiu-Jitsu Jiudo. G. B. Hancock and Katsukeuma Higaski. G. B. Putnam's Sons, 2 West 45th St., New York City. \$5.00.

A manual of the Japanese art of jiu-jitsu.

An Exhibition Handbook. Randall D. Warden. A. S. Barnes and Co., 67 West 44th St., New York City. \$1.00.

The sections devoted to tumbling and pyramids are particularly good. The remainder of the book is concerned with formal and apparatus work.

Exercises on Apparatus, Tumbling, and Stunts. W. J. Wittich and H. C. Reuter. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

A handbook of apparatus work, new methods, and activities in tumbling and stunts.

A Handbook of Stunts. Martin Rodgers. The Macmillan Co., 60 Fifth Ave., New York City. 1928. \$3.00.

Contents: Principles and Organization; Individual and Combat Stunts; Stunt Games and Races; Agility and Tumbling Movements; Apparatus Stunts, Athletics, Self-Testing Activities, and Pyramids.

Health by Stunts. N. H. Pearl and H. E. Brown. The Macmillan Co., 60 Fifth Ave., New York City. \$1.40.

Material for individual stunts of a type appealing to boys.

Tumbling, Pyramid Building, and Stunts for Girls and Women. Bonnie and Donnie Cotteral. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$1.60.

Well-illustrated progressions for tumbling.

RECREATION. (Add other materials in space below.)

XVIII. SUMMER ACTIVITIES FOR TEACHERS

Professionally-minded teachers are realizing more and more the varied educational uses to which the long summer vacation may be put. Attendance upon summer school is sometimes made the basis for salary increases. Because of special teachers' rates offered by railroads, it is possible to attend schools at some distance. Colleges and universities offering special summer work of interest to physical education teachers are: University of California, Los Angeles, Calif.; University of Iowa, Iowa City, Iowa; University of Michigan, Ann Arbor, Mich.; Leland Stanford, Palo Alta, Calif.; University of Oregon, Eugene, Ore.; Teachers College, Columbia University, New York City; University of Washington, Seattle, Wash.; Wellesley College, Wellesley, Mass.; University of Wisconsin, Madison, Wisc. Travel for college credit is possible through the American Institute of Educational Travel and through courses offered in many universities. Such courses include European travel and trips to the Southwest, West, Northwest, Alaska, and Canada, and are of great value to teachers. For example, on the southwestern trip, Indian dances and Indian customs may be observed and studied, from general and from special angles of interest. Attendance upon camps offering professional work is increasing. Information in regard to summer activities for physical education teachers is given in this section.

A. SUMMER SCHOOLS

Directory of Training Courses for Recreation Leaders. Compiled by Marguerita P. Williams and Lee F. Hanmer. Russell Sage Foundation, 130 East 22nd St., New York City. Pamphlet, 50c.

Directory of university summer sessions and other short training courses and institutes offered under various auspices in specific recreational subjects such as Camp Training Courses, Nature Study Schools, Schools of Dancing, and Schools of the Dramatic Arts.

Institute of Euthenics, Vassar College, Poughkeepsie, N. Y.

Opens end of June. Annie Louise Macleod, Director. Courses in mental hygiene, child psychology, nutrition, and related subjects.

Opportunities in Summer Schools. Adele Humphrey. *Journal of the National Education Association*, Vol. 17:155-159, May 1928, 1201 Sixteenth St., N. W., Washington, D. C. 25c a copy.

A very comprehensive list arranged by states.

Summer School Catalogs

Send for announcements published by the institutions listed in the introduction of this section. For summer schools in foreign countries see division on Travel in this section.

B. PROFESSIONAL CAMPS

Field Hockey and Sports Camp, Mills College, Calif.

Credit in both graduate and undergraduate work in field hockey, field ball, speed ball and soccer. For information address: Miss Rosalind Cassidy, Mills College P. O., Calif., or Miss Hazel Cubberley, University of California, Los Angeles, Calif.

June Tennis Camp, Camp Wenonah, Naples, Maine. \$30.00 a week.

For women interested in the teaching, playing, and organization of tennis. For information, address Miss Dorothy Davies Randle, 419 West 119th St., New York City; or Miss Marjorie Hillas, Teachers College, Columbia University, New York City.

Mid-West Hockey Camp, Chicago Normal School of Physical Education, Chicago, Ill.

This camp for teachers and players is located at Powers Lake, Wisc. Latest English hockey methods are taught by experts. Registration for one week or more from July 17 to August 28. For information write Miss Frances Musselman, 5026 Greenwood Ave., Chicago, Ill.

September Hockey and Lacrosse Camp, Mt. Pocono, Pa. \$30.00 a week.

The coaching in both hockey and lacrosse include practice and match games and instruction in strokes, tactics, and umpiring. Discussion groups on the technique and rules of the game, and on coaching and organization. The eighth season of the camp (1929)—August 30 to September 27—under the direction of Miss Constance M. K. Applebee, 380 Riverside Drive, New York City.

Wellesley College, Department of Hygiene and Physical Education, Wellesley, Mass. Post Commencement Sports Session in June.

A special course for professional people in educational management, teaching methods, personal technique, and certification of officials. The staff is composed of outstanding people in the field of physical education.

C. TRAVEL

The American Institute of Educational Travel. Travel Management of Thomas Cook and Son, 585 Fifth Ave., New York City. Free information.

Application to Frederick E. Emmons will bring complete information concerning educational travel in Europe and elsewhere.

The College Tours. Travel management of American Express Co., 285 Madison Ave., New York City.

Send for the announcement of College Tours to Europe with University Courses. Tour prices range from \$485 to \$1010 and carry four hours university credit in the following courses:

History and Appreciation of Art.	German Language and Literature.
Sketching and Design.	French Language and Literature.
Modern European History.	Latin.
Medieval History.	Greek.
Background of European History.	Industrial Problems.
The Literature of Modern Europe.	Survey of English Literature.
Composition and Report Writing.	English Romantic Poets.
	Sociology.
	Economics.

What Is Going on in Germany. Terramare Press, Berlin W. 35. Thomas Cook and Son, 585 Fifth Ave., New York City. Free upon request.

A booklet published in coöperation with the Hamburg American Line, listing all festivals, exhibitions, conventions, and sport gatherings. All items are listed progressively according to date and under the headings: music, art, festivals and plays, exhibitions and fairs, social questions, religion and church, universities (listing summer courses), science, medicine, sports, etc.

Travel Information Bureaus

Those desiring information about travel abroad should write to such companies as:

American Express Co., 65 Broadway, New York City.

Raymond and Whitcomb Co., 606 Fifth Ave., New York City.

Thomas Cook and Sons, 585 Fifth Ave., New York City.

SUMMER ACTIVITIES FOR TEACHERS. (Add other materials in space below.)

XIX. PROFESSIONAL ASSOCIATIONS

Associations and organizations soliciting teacher membership are many and varied, depending to a certain extent upon the section of the country. It is essential that teachers affiliate themselves with the national associations and with such local ones as are worthwhile. Only outstanding national organizations are listed here.

American Physical Education Association, Box G, Highland Station, Springfield, Mass. Student membership, \$3.00 a year. Regular membership, \$5.00 a year. Includes the *American Physical Education Review*.

American Posture League. Dr. George J. Fisher. 1 Madison Ave., New York City. Individual membership, \$2.00 a year. School membership, \$3.00 a year.

American Red Cross. John Barton Payne, Director, Washington, D. C. Membership, \$1.00 a year.

National Education Association. Dr. U. W. Lamkin, Pres., Washington, D. C. Membership, \$5.00 a year.

National Amateur Athletic Federation, 370 Seventh Ave., New York City. Membership, \$5.00 a year.

ASSOCIATIONS. (Add other materials in space below.)

XX. TESTS AND MEASUREMENTS

Tests and measurements are receiving much attention, discussion, and support among physical educators. The great difficulty in using tests in physical education lies in the fact that comparatively few of them have been standardized. Great advances in tests for physical education may be expected within the next few years. There is a need of tests which will prove efficient without the use of involved statistical methods.

A. BOOKS

General

How to Experiment in Education. William A. McCall. The Macmillan Co., 60 Fifth Ave., New York City. \$2.60.

Deals with tests and experiments from a highly technical point of view. Contents:

Selection and Formulation of Experimental Problem.

Selection of Experimental Method.

Selection of Experimental Subjects.

Control of Experimental Conditions.

Experimental measurements.

Computations for the One-Group Experimental Method, Equivalent-Groups Method, and Rotation Experimental Method.

Casual Investigations.

Analysis of Experimental and Casual Investigation.

How to Measure in Education. William A. McCall. The Macmillan Co., 60 Fifth Ave., New York City. \$2.70.

Part I. "How to Use Measurement."

Place of Measurement in Education.

Measurement in Classifying Pupils.

Measurement in Diagnosis.

Measurement in Teaching.

Measurement in Evaluating Efficiency of Instruction.

Measurement in Vocational Guidance.

Part II. "How to Construct and Standardize Tests."

Preparation and Validation of Test Material.

Organization of Test Material and Preparation of Instructions.

Scaling the Test.

Scaling the Test, T Scale—Age Variability Unit.
Determination of Reliability, Objectivity and Norms.

This book includes excellent bibliographies for each chapter.

Improvement of the Written Examination. G. M. Ruch. Scott, Foresman and Co., 623-633 South Wabash Ave., Chicago, Ill. \$1.80.

An excellent handbook on construction of tests.

Improving Schools by Standardized Tests. Samuel S. Brooks and B. R. Buckingham. Houghton Mifflin Co., 2 Park St., Boston, Mass. \$1.75.

Includes intelligence and achievement tests. Discussion of the construction of tests.

Classroom Tests. Charles Russell. Ginn and Co., 15 Ashburton Place, Boston, Mass. \$1.60.

Written to serve the teacher as a handbook on the construction, kinds, and uses of objective tests.

Physical Education

An Athletic Program for Elementary Schools. Leonora Andersen. A. S. Barnes and Co., 67 West 44th St., New York City. 1927. \$2.00.

Two chapters devoted to accomplishment tests for seventh and eighth grades.

Education Through Physical Education. Agnes R. Wayman. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. \$4.00.

Contains tests for motor ability and physical efficiency.

The "Leap-Meter." J. F. Bovard and F. W. Cozens. University of Oregon Publications, Eugene, Ore. 1928. 75c.

An investigation into the possibilities of the Sargent tests as a measure of general athletic ability; formulas, charts, and description.

Measuring Motor Ability. D. K. Brace. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

Book of tests, fundamental elements of tests, details of administration, and the organization of a testing program.

Tests and Measurement Programs in the Redirection of Physical Education. F. R. Rogers. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$1.75.

"A Strength Index" and a "Physical Fitness Index," valid as measures of general athletic ability, the indexes being determined by giving and scoring strength and physical fitness tests, with outlines of program and method of procedure in junior and senior high schools.

Physical Education Activities for High School Girls. Staff of Department of Physical Education for Women, University of Mich. Lea and Febiger, 600 South Washington Square, Philadelphia, Pa. 1928. \$3.50.

Chapter V, "Tests and Testing in Relation to Physical Education." Excellent bibliography. Chapters XII, XIII, and XIV contain tests for tennis, golf, and archery.

Physical Education Teaching Manual. Frederick W. Maroney. Lyons and Carnahan, 221 East Cullerton St., Chicago, Ill. \$2.00.

Contains a section devoted to motor ability tests designed for public school use.

Tests and Measurements in Physical Education from 1861 to 1925. University of Oregon Publications, Eugene, Ore. 1926. \$1.25.

Discussion and summary of tests; their uses and possibilities.

B. ARTICLES

The Measurement of General Athletic Ability in College Men. Frederick W. Cozens. American Physical Education Review, 33:242 December 1928. Box G, Highland Station, Springfield, Mass. 35c a copy.

Measuring Results of Training in Physical Education in an Elementary School. T. J. Barry. American Physical Education Review, 26:119-26, March, 1926. Box G, Highland Station, Springfield, Mass. 35c a copy.

Motor Ability Tests. Three Reports of the American Physical Education Association. 1924-5-6. For sale by American

Physical Education Association, Box G, Highland Station, Springfield, Mass. 50c.

Motor Efficiency Study of 8,000 New York City High School Boys. R. K. Atkinson. American Physical Education Review, 29:56-90, February, 1924. Box G, Highland Station, Springfield, Mass. 35c a copy.

Proficiency Tests for Girls and Women. Agnes Wayman. American Physical Education Review, November 1923. Box G, Highland Station, Springfield, Mass. 35c a copy.

Tests of Physical Efficiency. Dr. Burton-Opitz. American Physical Education Review, 27:153-9, April 1922. Box G, Highland Station, Springfield, Mass. 35c a copy.

Who Will Make Good in Athletics. R. K. Atkinson. Child Health, 5:193-5, May 1924. 370 Seventh Ave., New York City. 50c.

C. HEALTH AND POSTURE TESTS

Health Knowledge Test. A. I. Gates and Ruth Strang. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$3.00 a 100.

Well adapted for public school use. An instrument for discovering health knowledge of an individual.

Scale for Measuring the Antero-posterior Posture of Ninth Grade Boys. C. L. Brownell. Contributions to Education, No. 325. Bureau of Publications, Teachers College, Columbia University, 525 West 120th St., New York City. \$1.50.

A review of methods of measuring posture with helpful analysis of an efficient, practical means of coping with one of the most frequently mentioned objectives in physical education: inculcation of correct posture habit.

D. SPORT TESTS

A General Athletic Ability Test. W. H. Barrow. American Physical Education Review, 29:506-10, November 1924. Box G, Highland Station, Springfield, Mass. 35c a copy.

An attempt to measure the athletic ability of public school boys.

Athletic Badge Tests for Boys and Girls. Playground and Recreation Association of America. Physical Education Series, No. 2 (revised), U. S. Bureau of Education, Washington, D. C. 1923. Free up to 5 copies; then 3c each.

Manual of tests for boys and girls with a system of awards. Directions for giving tests and securing awards.

The Athletic Quotient. An anthropometric athletic accomplishment score by C. H. McCloy. Detroit Education Bulletin, Research Bulletin, No. 12, June 1927. Board of Education, Detroit, Mich. Free.

A discussion of the "Athletic Quotient" on the basis of standardized tests.

Basketball for Women. Lou E. Anderson. The Macmillan Co., 60 Fifth Ave., New York City. \$1.75; school edition, \$1.20.

An excellent chapter on tests in basketball is included in this book.

Basketball for Women. How to Coach and Play the Game. Alice Frymir. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

Contains a section devoted to tests in basketball and their use.

Field Hockey Analyzed. Hazel J. Cubberley. A. S. Barnes and Co., 67 West 44th St., New York City. \$2.00.

This book contains a series of well-worked-out achievement tests in hockey which should receive special attention.

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